

AN ESTIMATE OF TOTAL RETURN OF SOCKEYE SALMON
TO UPPER COOK INLET, ALASKA
1976 - 2003



by

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and

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ABSTRACT

Historical age data (1976-2003) were used to allocate the annual total Upper Cook Inlet sockeye salmon (*Oncorhynchus nerka*) run to river of origin. Commercial harvest was allocated to the five major river systems using a weighted age composition method.

This report is the fifth of a series that began with Regional Information Report 2A99-11, “An Estimate of Total Return of Sockeye Salmon to Upper Cook Inlet, Alaska, 1976–1998” (Tobias and Tarbox 1999). The series has continued annually since then (Tobias and Tarbox 2000; Tobias and Willette 2001, 2003). This report includes the final 2002 sockeye salmon total return data and preliminary data for 2003. Minor revisions have been made to age composition, escapement and harvest data from 1998-2001. The total return tables and brood tables in this report supercede any earlier ones.

KEY WORDS: sockeye salmon, *Oncorhynchus nerka*, brood tables, recruits per spawner

INTRODUCTION

Upper Cook Inlet (UCI) consists of those waters north of the latitude of Anchor Point (Figure 1). The marine waters are further divided into Alaska Department of Fish and Game (ADF&G) commercial fishery management districts and statistical areas for harvest reporting (Figures 2 and 3). Five major river systems are monitored for sockeye salmon (*Oncorhynchus nerka*) that escape the commercial fishery and fisheries located below the counting site. These are the Kenai, Kaslof, Susitna, and Crescent Rivers and Fish Creek (Figure 1). In addition to the major systems, 28 additional first order streams are known to produce sockeye salmon in UCI. These represent a total of 125 streams and lakes that are documented salmon spawning, rearing, or migration corridors (Fox 1998). In this report these 28 systems have been combined into one category entitled “Other” systems.

The commercial gill net fisheries in UCI exploit mixed stocks of salmon and therefore allocation of the harvest to river of origin is required to estimate sockeye salmon production and spawning goals for specific river systems. Historically, a variety of techniques have been used to estimate stock composition, including weighted age composition, scale pattern analysis, and genetic stock identification. Unfortunately, scale pattern analysis was not reliable (Waltemyer et al 1996) and genetic stock identification was not consistently funded.

This report is the fifth of a series that began with Regional Information Report 2A99-11, “An Estimate of Total Return of Sockeye Salmon to Upper Cook Inlet, Alaska, 1976–1998” (Tobias and Tarbox 1999). The total return reports have continued annually (Tobias and Tarbox 2000; Tobias and Willette 2001, 2003). The original report documented the revised weighted age composition method used to allocate 22 years of sockeye salmon runs to UCI. In this report the sport harvest data from 2002 has been finalized, and the sockeye salmon return in 2003 has been estimated. The commercial harvests, escapements, and estimated sport harvests during 2003 are reported to provide a preliminary estimate of total return. Estimates for the 2003 sport harvests were made by averaging the harvests from 2001 and 2002. Minor changes have been made from earlier years. The total return tables and brood tables and Appendix worksheets in this report supercede those in earlier reports.

METHODS

The weighted age composition method uses escapement estimates and age composition data from the escapement to estimate the total return by river system. Appendix A presents the finalized data from 1998 to 2002 and the preliminary data from 2003 (the footnotes for each year document specific references and methods). Appendix tables prior to 1998 have not been changed and were presented in the previous report (Tobias and Willette 2003). The discussion below provides a general overview of the procedure used.

The weighted age composition method was used to estimate the contributions of Kenai, Kasilof, Susitna, Crescent, Fish Creek and “Other” sockeye salmon stocks to commercial fishery harvests in UCI. The method is based on the assumption that specific fisheries exploit each age class of the returning population equally. Therefore, the relative contribution of a specific age class in the escapements represents the relative contribution of that age class in the commercial harvest in a specific fishery. This can be expressed in the following example by age class:

$$Ke_{HD} = \frac{H_D \times Ke_i}{Ke_i + Ka_i + Su_i + Fc_i + O_i}$$

Ke_{HD} = Harvest of Kenai River sockeye in the Drift harvest

H_D = Harvest of the Drift fleet

Ke_i = Number of sockeye salmon in the Kenai River return

Ka_i = Number of sockeye salmon in the Kasilof River return

Su_i = Number of sockeye salmon in the Susitna River return

Fc_i = Number of sockeye salmon in the Fish Creek return

O_i = Number of sockeye salmon in the ‘other’ river systems return

Numbers used to calculate inriver returns in this formula include the sonar escapement counts plus subsistence, personal use, and sport fishery harvests at the river mouths and below the sonar counters. The Knik Arm commercial harvest is included as part of the Fish Creek return.

Prior to 1998, the subsistence, personal use, and sport fishery harvest were not used in the weighted age composition in the “Other” river systems.

The fishery harvest allocations in this report were based on proximity to the major rivers. The Upper Subdistrict set gill net harvest was allocated to Kenai and Kasilof Rivers (Fig. 2). The General Subdistrict, Eastern Subdistrict and Kustatan set gill net harvests were allocated to the Susitna River, Fish Creek and “Other”. The Western Subdistrict was allocated to Crescent River, while the Drift gill net fishery, Kalgin Island and Chinitna Bay were allocated to all systems except Crescent River. The Knik Arm harvest was allocated to Fish Creek.

Escapements

The term sockeye salmon escapement has been used in various tables and text through the years in different ways. Escapement has been used to mean: 1) spawners only, with all sport caught fish above the sonar site subtracted from sonar counts; 2) number of sockeye salmon through the sonar counting sites; and 3) total number of salmon entering the river system which includes all sport caught, personal use and subsistence fisheries below the sonar site. The tables in this report contain footnotes defining escapement as used in the tables.

From 1976-2003 hydroacoustic (sonar) techniques were typically used to determine sockeye salmon escapements (number of sockeye salmon passing the counting location) in all major systems except Fish Creek, where a weir was used (Davis 2000; Westerman and Willette 2003; Litchfield and Willette).

Escapements into “Other” sockeye salmon systems have typically been monitored on an irregular basis and usually via aerial survey. Therefore, it was difficult to evaluate how to use these systems in production calculations while at the same time not ignoring their contribution. A preliminary comparison of escapements into “Other” sockeye salmon systems and major sockeye salmon systems indicated that a reasonable escapement estimate into these “Other” systems was 15% of the escapements into the major systems (Fox 1998).

The Sunshine Station and Yentna River hydroacoustic counts or mark/recapture estimates of escapements combined make up the Susitna River escapement. Since 1986, the escapement estimate at Sunshine Station has been calculated from the Yentna River sonar escapement. This calculation was based on the ratio of counts taken from both sites from 1981 to 1985. This relationship is:

$$\text{Sunshine escapement} = 0.95 \text{ Yentna sonar count.}$$

Commercial Harvest

Sockeye salmon commercial harvests were compiled from ADF&G fish ticket information. Commercial harvests were reported for all years in the following fisheries: Central District drift gill net; Upper Subdistrict set gill net which includes Salamatof, Kalifornsky, Cohoe/Ninilchik beaches; Western Subdistrict; Kustatan, Kalgin Island, Chinitna Bay, Eastern and the General subdistricts. Starting in 1987, the Knik Arm fishery was prosecuted and harvest reported for each year the fishery took place.

Personal Use and Subsistence Harvests

Personal use (PU) and subsistence harvests were reported in UCI from 1977 to 2003. Harvest came from statewide surveys, field monitoring of catch, and permit returns.

Age composition from the nearest river system was used to represent the harvests. Kenai River escapement age composition was used for the Kenai dip net, set gill net subsistence, PU, and Kenaitze educational fishery harvests. Kasilof River age composition represented the Kasilof dip and set gill net harvests. Susitna River age composition represented the PU/subsistence harvests near Tyonek, General and Kustatan subdistricts and on the Upper Yentna River. Crescent River age composition was used for the Western Subdistrict while Packers Creek was used for Kalgan Island Subdistrict. The drift gill net harvest age composition was used when no river was in close proximity.

Sport Harvest

Sport harvests for 2002 in UCI saltwater and freshwater fisheries were extracted from the annual Sport Fish Division statewide harvest survey (Sport Fish harvest database 2004). The survey breaks down the harvest into specific river reaches.

The Kenai River section from Cook Inlet to the Soldotna Bridge was broken down further to report harvests from Cook Inlet to the sonar site (RM 19) and from the sonar site and above. Historically an average of 59% of the harvest from Cook Inlet to the Soldotna Bridge is caught below the sonar site (King 1995 and 1997). The Kenai River sport harvest was divided into three areas: below the sonar counters; above the sonar counters; and Lower Russian River below the falls. Hidden Lake, Skilak Lake, and Moose River sport harvests were also reported.

The Kasilof River sport harvests were recorded above and below the sonar site. Susitna River sport harvests were recorded from the east and west side of the Susitna River drainage. Sport harvests from saltwater and freshwater sport fisheries in the General and Western Subdistricts were combined and included as harvests in the “Other” escapement system.

Age composition for sport harvests were obtained from the river system closest to the fishery. Kenai River escapement age composition was used for sport fishery harvests above and below the sonar counters on the Kenai River. Russian River sport harvest below the falls and at the confluence was represented by the ADF&G Sport Fish Russian River weir age composition when available. Kenai River age composition was used for the Skilak Lake, Hidden Lake and Moose River harvests. Kasilof River escapement age composition was used for the sport fishery harvests above and below the sonar counters. Yentna River age composition was used for the East and West Susitna drainage sport harvests.

From 1995 to 2003 sport harvests in the “Other” systems were broken down further in order to use various age compositions that more accurately represented the large area of Cook Inlet where sport harvests occurred on “Other” streams. Anchorage Area sport harvests were represented by Eastern Subdistrict age composition. West Cook Inlet was divided into the area north of the West Forelands where the General Subdistrict age

composition was used, and south of the West Forelands using the drift age composition. On the Kenai Peninsula, the drift age composition was used to represent saltwater and freshwater streams other than the Kenai and Kasilof Rivers. In Knik Arm drainages, the General Subdistrict age composition was used for all streams except Fish Creek, Big Lake and Cottonwood Creek which were sampled for their own age composition.

Egg Take and Cost Recovery

As in prior years, sockeye salmon have been sacrificed for egg takes at Tustumena Lake. The Kasilof River escapement age composition has been used to represent these fish, and the number of sacrificed sockeye salmon is subtracted from the sonar escapement when calculating spawners. In the past, Fish Creek egg take numbers were not subtracted from the escapement totals. In this report numbers have been adjusted from 1998 to 2003 to subtract the salmon sacrificed at Big Lake Hatchery from the escapement to more accurately calculate spawners.

Sockeye salmon used for cost recovery harvests at Packers Creek were included as harvests in the “Other” escapement system. The age composition from the Packers Lake escapement sampling was used to represent these fish.

Spawners

Inriver return numbers were converted to number of spawning sockeye salmon (spawners) by subtracting harvests above the counting sites from sonar escapement estimates.

Prior to 1995, 15% of the escapement counts from the five major systems was used to represent the number of sockeye salmon entering “Other” river systems as spawners. Sport caught fish from the areas both instream and at the mouth of these rivers were added in as “Other” harvests. From 1995 to present, due to increased sport harvests of sockeye salmon in these “Other” systems, sport harvests in upper sections of these rivers and streams were subtracted from the 15% calculation to more accurately represent the number of actual spawners in the “Other” river systems. This means the “Other” system is being calculated the same way as the five main escapement systems.

Enhanced Stocks

The enhanced component of the Hidden Lake sockeye salmon return was estimated separate from the Kenai River wild stocks. Until 1999, the escapement of enhanced Hidden Lake sockeye salmon was determined using the ratio of hatchery to wild smolt by brood year and applying this ratio to the adult weir count. Prior to 1988, coded wire tag studies were used to estimate number of smolts originating from hatchery fry. Since

1993, estimates are based on otolith thermal marks. From 1988 to 1992, the enhanced component of the smolt outmigration was estimated using average fry to smolt survival.

In 2003, Cook Inlet Aquaculture Association examined the otoliths of 349 adult fish returning to Hidden Lake for hatchery induced thermal marks. The proportion of hatchery incubated fish in the population of adult sockeye salmon returning to Hidden Lake in 2003 was $57.9\% \pm 5.2\%$ (T. Dodson 2003). This was lower than expected based upon the smolt migration estimate of 71% hatchery fish which was used for the preliminary 2003 total return estimates. After determining the hatchery component in the escapement, the exploitation rate of the commercial fishery, and the sport and other harvests on the Kenai River from Skilak Lake to the mouth of the Kenai was calculated and used to estimate the total return of enhanced fish to Hidden Creek (1980-82, 1986-88, and 1990-2003). During the enhanced years, the Russian River and Upper Kenai River sport harvests were subtracted from the sport harvest before calculating the exploitation rate of Hidden Creek enhanced fish. Since these two sport fisheries are above Hidden Creek, and have a high rate of harvest, it was determined that the calculations for the exploitation of Hidden Lake sockeye salmon were previously inflated. During the enhanced years, the total return for Hidden Lake enhanced sockeye salmon was also broken down into commercial, and other harvests, which includes personal use and sport harvest. The percent other harvests was estimated using the same ratio as the Kenai River sockeye salmon, based on the assumption that both stocks are harvested at the same rate.

Unallocated Age Classes

When the commercial harvests contained small numbers of age classes not represented in escapement samples for that area, these fish were recorded as Unallocated Age Classes.

In the Kenai River and “Other” systems during some of the years reported, the sport harvest contained small numbers of age classes that had not been reflected in the escapement sampling. Therefore, the sport catch age class numbers could not be subtracted from the escapement without a negative number resulting. To insure correct totals in all columns, the sport fish age classes not found in the escapement were removed. This amounted to a very small number of fish.

Corrections

Corrections made since Regional Information Report 2A03-11, were as follows:

- 1) Fish Creek sport harvest was determined to occur almost exclusively below the weir site. Therefore, from 1998 to 2003 harvests recorded in Fish Creek from the Sport Fish statewide harvest survey have now been added to the escapements to reflect additional harvests and are not subtracted from the escapement as was the case in previous years. These numbers were a fairly small adjustment of from 100 to 400 fish.

- 2) Fish Creek sockeye salmon used for broodstock have not been subtracted from the Fish Creek escapements in earlier total return worksheets. In this report adjustments have been made by subtracting broodstock taken at Big Lake Hatchery from weir escapements from 1998-2003 for a more accurate spawner number. Broodstock numbers from 1998 to 2003 amounted to 3,922, 1,115, 2,808, 4,383, 4,155 and 5,383 sockeye salmon respectively.
- 3) In 2002 and in 2003, as in previous years, age classes found in certain sport fishing harvests were not reflected in escapements for the area. The numbers would have resulted in negative numbers in the worksheet, so were removed. In 2002, 64 age 1.1 were subtracted from the Kenai River. There were also 3 age 1.1, and 4 age 2.1, subtracted from the “Other” system. In 2003, 3,591 age 2.1, 536 age 3.2 and 135 age 3.3 were subtracted from the Kenai River. A total of 15 age 1.1 were subtracted from the “Other” system in 2003.
- 4) The 2002 sport harvest survey results listed 3,742 Kenai River sport caught sockeye salmon that were reported but in unknown reaches of the river. These sockeye salmon were divided among the sections of the river above the sonar site in the same ratio as the rest of the harvest, and subtracted from the sonar escapement.
- 5) Minor corrections were made to the Hidden Lake enhanced worksheets for 1998 to the present so escapement numbers were consistent with numbers reported by Cook Inlet Aquaculture Association. Corrections were minor.

RESULTS AND DISCUSSION

The Upper Cook Inlet sockeye salmon harvests from 1976-2003 have been allocated by age class and year, to the Susitna River, Kenai River, Hidden Lake enhanced, Kasilof River, Crescent River, Fish Creek, Other systems, or Unallocated Age Classes. Updated annual run estimates by river system are presented in Table 1. Brood year returns for the Susitna, Kenai, Kasilof, Crescent, Fish Creek, Other and all UCI systems combined are presented in Table 2. The sport harvest of sockeye salmon in three areas of the Kenai River is presented in Table 3. Estimates of the enhanced sockeye salmon return to Hidden Lake are presented in Table 4.

The following sockeye salmon data from 1998 to 2003 are presented in Appendix A: 1) commercial, sport, personal use/subsistence, and other harvest (e.g. hatchery cost recovery); 2) escapements and number of spawners; 3) weighted age composition for each fishery or river sampled; 4) number of fish harvested for egg takes; 5) estimates of the number of hatchery produced Hidden Lake sockeye salmon; 6) summary worksheet for deriving returns by river system using escapement age composition; 7) summary of commercial and personal use harvest and escapement by river system; 8) exploitation rates by river; and 9) sources of data and variations in methods of sampling and analysis.

Data from 1976 to 1997 is unchanged, and can be found in the previous total return report (Tobias and Willette 2003).

Susitna River

From 1976 to 2003 the total return of Susitna River sockeye salmon ranged from 278,815 in 2001 to 773,192 in 1990. The total return to the Susitna River in 2002 was 279,906 and in 2003 the preliminary estimate was 607,099. Results from 2001 and 2002 showed the lowest recorded total returns during those 27 years, and were 200,000 less than the historic average. (Table 5). Preliminary results from 2003 show a much stronger total return of 607,090, which is over 100,000 fish higher than the 28 year average of 488,627.

Kenai River

From 1976 to 2003, the total return of Kenai River sockeye salmon ranged from 654,093 in 1979 to 8,607,829 in 1987. The total return to the Kenai River in 2002 was 2,947,382 which was close to the historic average return of 2,958,553. The estimated total return for 2003 to the Kenai River is 3,732,120 fish, which is 800,000 above the historic average (Table 5).

Kasilof River

From 1976 to 2003, the total return of Kasilof River sockeye salmon ranged from 342,742 in 1979 to 1,808,625 in 1985. The total return to the Kasilof River in 2002 was 733,817, just 72,000 short of the long term average return of 806,055 (Table 5). The estimated total return for 2003 to the Kasilof River was 946,241, which was 140,000 more than the historical average since 1976.

Crescent River

From 1976 to 2003, the total return of Crescent River sockeye salmon ranged from 43,935 in 1994 to 309,373 in 1985. The total return to the Crescent River in 2002 was 97,701, which was 24,000 less than the long term average return of 121,462. The estimated total return of 163,258 fish in 2003 was 66,000 more than the 2002 return and 42,000 more fish than the 28-year average (Table 5).

Fish Creek

From 1979 to 2003, the total annual return of Fish Creek sockeye salmon ranged from 9,928 in 1977 to 442,055 in 1993. The 2002 return of 132,705 was almost double the 2001 return. The 2003 estimate of 149,142 was better than the 2002 return, and the best

return since 1996. The long term average return of Fish Creek sockeye salmon is 160,100 (Table 5).

SUMMARY

The weighted age composition method we used to estimate stock contributions in UCI commercial fisheries might not provide precise estimates for smaller stocks. However, contribution estimates for dominant stocks are probably much more precise. For example, contribution estimates for Kenai River sockeye salmon were similar to estimates obtained from genetic stock identification work completed during the *Exxon Valdez* Oil Spill (EVOS) studies (Seeb, L., personal communication).

The methods used in this report should provide more precise stock contribution estimates than earlier methods. Improvements include the standardization of methods for all years with minor changes in calculations done in response to changing conditions in the fishery, especially during the last five years. The precision and accuracy required is dependent on use of the data. Therefore, we leave it to the reader to use the data appropriately.

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Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003

UPPER COOK INLET SOCKEYE TOTAL RUN - 1976

		AGE CLASS															
SYSTEM		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL
: SUSITNA	: C:	0: 2545:	0: 61467:	0: 140926:	2155:	0: 212:	487:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	207792:	
:	: E:	0: 7992:	0: 49506:	0: 51060:	1554:	0: 666:	222:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	111000:	
:	: O:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	
:	: T:	0: 10537:	0: 110973:	0: 191986:	3709:	0: 878:	709:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	318792:	
: KENAI	: C:	0: 3491:	0: 324316:	6976:	0: 257956:	167484:	0: 0:	85775:	3488:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	849486:	
:	: E:	0: 3669:	0: 167261:	7337:	0: 72783:	72544:	0: 0:	26116:	3451:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	353161:	
:	: O:	0: 180:	0: 9775:	360:	0: 4189:	12125:	0: 0:	4673:	398:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	31700:	
:	: T:	0: 7340:	0: 501352:	14673:	0: 334928:	252153:	0: 0:	116564:	7337:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	1234347:	
: KASILOF	: C:	0: 252:	0: 91415:	0: 0:	112265:	77538:	0: 0:	44146:	0: 255:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	325871:	
:	: E:	0: 267:	0: 47940:	0: 0:	32182:	37657:	0: 0:	15223:	0: 267:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	133536:	
:	: O:	0: 11:	0: 1961:	0: 0:	1317:	1541:	0: 0:	623:	0: 11:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	5464:	
:	: T:	0: 530:	0: 141316:	0: 0:	145764:	116736:	0: 0:	59992:	0: 533:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	464871:	
: CRESENT	: C:	0: 120:	0: 6767:	0: 0:	26669:	1402:	0: 440:	4645:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	40043:	
:	: E:	0: 153:	0: 8619:	0: 0:	33966:	1785:	0: 561:	5916:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	51000:	
:	: O:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	
:	: T:	0: 273:	0: 15386:	0: 0:	60635:	3187:	0: 1001:	10561:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	91043:	
: HIDDEN	: C:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	
: ENHANCED	: E:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	
:	: O:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	
:	: T:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	
: FISH	: C:	0: 58:	0: 12108:	54:	0: 8482:	1167:	0: 0:	31:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	21900:	
:	: E:	0: 182:	0: 9752:	168:	0: 3073:	842:	0: 0:	14:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	14031:	
:	: O:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	
:	: T:	0: 240:	0: 21860:	222:	0: 11555:	2009:	0: 0:	45:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	35931:	
: UNALLO	: C:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	
:	: E:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	
:	: O:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	
:	: T:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	
: OTHER	: C:	0: 0:	0: 0:	0: 0:	34950:	0: 0:	140994:	20239:	0: 0:	22876:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	219059:	
:	: E:	0: 0:	0: 0:	0: 0:	28149:	0: 0:	51085:	14596:	0: 0:	10425:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	104255:	
:	: O:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	
:	: T:	0: 0:	0: 0:	0: 0:	63099:	0: 0:	192079:	34835:	0: 0:	33301:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	323314:	
: SUMMARY	: C:	0: 6466:	0: 531023:	7030:	0: 687292:	269985:	0: 652:	157960:	3488:	255:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	1664151:	
:	: E:	0: 12263:	0: 311227:	7505:	0: 244149:	128978:	0: 1227:	57916:	3451:	267:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	766983:	
:	: O:	0: 191:	0: 11736:	360:	0: 5506:	13666:	0: 0:	5296:	398:	11:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	37164:	
:	: T:	0: 18920:	0: 853986:	14895:	0: 936947:	412629:	0: 1879:	221172:	7337:	533:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	2468298:	

C = Commercial Harvest

E = Escapement - referring to spawners

O = Other - including sport caught, subsistence, and personal use fisheries

T = Total return

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1977

		AGE CLASS															
:SYSTEM		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL
: SUSITNA	:C:	0: 0	0: 0	0: 41619	0: 0	0: 207016	8227: 0	0: 0	1381: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	258243:	
	:E:	0: 2562	0: 0	51009: 233:	0: 0	170729: 7686:	0: 0	0: 0	699: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	232918:	
	:O:	0: 56:	0: 0	1113: 5:	0: 0	3727: 168:	0: 0	0: 0	15: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	5084:	
	:T:	0: 2618:	0: 0	93741: 238:	0: 0	381472: 16081:	0: 0	0: 0	2095: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	496245:	
: KENAI	:C:	0: 0	0: 0	0: 81695:	0: 0	867287: 98031:	0: 0	323: 155215:	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	1202551:	
	:E:	0: 0	0: 0	0: 39653:	0: 0	523098: 28453:	0: 0	6911: 65512:	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	663627:	
	:O:	0: 0	0: 0	0: 3203:	0: 0	19742: 21545:	0: 0	232: 5914:	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	50636:	
	:T:	0: 0	0: 0	0: 124551:	0: 0	1410127: 148029:	0: 0	7466: 226641:	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	1916814:	
: KASILOF	:C:	0: 2278:	0: 0	86869: 1166:	0: 0	74292: 84486:	0: 0	0: 0	39409: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	288500:	
	:E:	0: 460:	0: 0	45043: 1226:	0: 0	45962: 42591:	0: 0	0: 0	17925: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	153207:	
	:O:	0: 5:	0: 0	527: 14:	0: 0	538: 499:	0: 0	0: 0	210: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	1793:	
	:T:	0: 2743:	0: 0	132439: 2406:	0: 0	120792: 127576:	0: 0	0: 0	57544: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	443500:	
: CRESENT	:C:	0: 0	0: 696:	5845:	0: 0	56293: 2923:	0: 0	70: 3688:	70: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	69585:	
	:E:	0: 0	0: 870:	7308:	0: 0	70383: 3654:	0: 0	87: 4611:	87: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	87000:	
	:O:	0: 0	0: 0:	0: 0:	0: 0	0: 0:	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0:	
	:T:	0: 0	0: 1566:	13153:	0: 0	126676: 6577:	0: 0	157: 8299:	157: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	156585:	
: HIDDEN	:C:	0: 0	0: 0	0: 0:	0: 0	0: 0:	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0:	
: ENHANCED	:E:	0: 0	0: 0	0: 0:	0: 0	0: 0:	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0:	
	:O:	0: 0	0: 0	0: 0:	0: 0	0: 0:	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0:	
	:T:	0: 0	0: 0	0: 0:	0: 0	0: 0:	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0:	
: FISH	:C:	0: 0	0: 0:	0: 1438:	0: 0	3165: 142:	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	4745:	
	:E:	0: 597:	0: 0	1775: 10:	0: 0	2630: 134:	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	5146:	
	:O:	0: 4:	0: 0	13: 0:	0: 0	19: 1:	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	37:	
	:T:	0: 601:	0: 0	3226: 10:	0: 0	5814: 277:	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	9928:	
: UNALLO	:C:	466: 0:	0: 0	0: 0:	0: 0	0: 0:	0: 0	195: 187:	0: 0	646: 518:	233: 0	0: 0	0: 0	0: 0	0: 0	2245:	
	:E:	0: 0	0: 0	0: 0:	0: 0	0: 0:	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0:	
	:O:	0: 0	0: 0	0: 0:	0: 0	0: 0:	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0:	
	:T:	466: 0:	0: 0	0: 0:	0: 0	0: 0:	0: 0	0: 195:	187:	0: 646:	518:	233: 0	0: 0	0: 0	0: 0	2245:	
: OTHER	:C:	0: 0	0: 9801:	13291:	0: 0	150154: 16123:	0: 0	0: 0	37053:	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	226422:	
	:E:	0: 0	0: 1253:	16645:	0: 0	126537: 15392:	0: 0	0: 0	19151:	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	178978:	
	:O:	0: 2:	8:	174: 1:	0: 0	1027: 159:	0: 0	0: 0	179:	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	1550:	
	:T:	0: 2:	11062:	30110:	1: 0	277718: 31674:	0: 0	0: 0	56383:	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	406950:	
: SUMMARY	:C:	466: 2278:	10497:	230757:	1166: 0:	1358207: 209932:	195: 580:	236746:	716: 518:	233: 0	0: 0	0: 0	0: 0	0: 0	0: 0	2052291:	
	:E:	0: 3619:	2123:	161433:	1469: 0:	939339: 97910:	0: 0	6998: 107898:	87: 0:	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	1320876:	
	:O:	0: 67:	8:	5030: 20:	0: 0	25053: 22372:	0: 0	232: 6318:	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	0: 0	59100:	
	:T:	466: 5964:	12628:	397220:	2655: 0:	2322599: 330214:	195: 7810:	350962:	803: 518:	233: 0	0: 0	0: 0	0: 0	0: 0	0: 0	3432267:	

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1978

		AGE CLASS															
SYSTEM		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL
: SUSITNA	: C:	0: 0:	0: 0:	0: 103256:	0: 0:	101344:	7012:	0: 0:	4115:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	215727:	
	: E:	0: 3459:	0: 45060:	7479:	0: 33655:	2337:	0: 93:	1402:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	93485:	
	: O:	0: 34:	0: 441:	73:	0: 329:	23:	0: 1:	14:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	915:	
	: T:	0: 3493:	0: 148757:	7552:	0: 135328:	9372:	0: 94:	5531:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	310127:	
: KENAI	: C:	0: 0:	0: 0:	0: 44212:	0: 0:	1389188:	58202:	0: 0:	87100:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	1578702:	
	: E:	0: 0:	0: 0:	9138:	1123:	0: 323268:	3920:	0: 749:	11630:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	349828:	
	: O:	0: 0:	0: 0:	1061:	101:	0: 30448:	16071:	0: 67:	10401:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	58149:	
	: T:	0: 0:	0: 0:	54411:	1224:	0: 1742904:	78193:	0: 816:	109131:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	1986679:	
: KASILOF	: C:	0: 0:	0: 0:	0: 208745:	0: 0:	183632:	35305:	0: 0:	37801:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	465483:	
	: E:	0: 0:	0: 0:	45397:	0: 0:	44078:	11432:	0: 0:	9013:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	109920:	
	: O:	0: 0:	0: 0:	2759:	0: 0:	2679:	695:	0: 0:	548:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	6681:	
	: T:	0: 0:	0: 0:	256901:	0: 0:	230389:	47432:	0: 0:	47362:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	582084:	
: CRESENT	: C:	0: 0:	0: 0:	7499:	0: 0:	42403:	2876:	0: 0:	3609:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	56387:	
	: E:	0: 0:	0: 0:	3404:	0: 0:	61642:	0:	0: 0:	8954:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	74000:	
	: O:	0: 0:	0: 0:	0:	0:	0:	0:	0: 0:	0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	
	: T:	0: 0:	0: 0:	10903:	0: 0:	104045:	2876:	0: 0:	12563:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	130387:	
: HIDDEN	: C:	0: 0:	0: 0:	0:	0:	0:	0:	0: 0:	0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	
: ENHANCED	: E:	0: 0:	0: 0:	0:	0:	0:	0:	0: 0:	0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	
	: O:	0: 0:	0: 0:	0:	0:	0:	0:	0: 0:	0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	
	: T:	0: 0:	0: 0:	0:	0:	0:	0:	0: 0:	0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	
: FISH	: C:	0: 0:	0: 0:	3227:	0: 0:	531:	104:	0: 0:	104:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	3966:	
	: E:	0: 0:	1884:	0: 0:	1422:	0: 0:	178:	35:	0: 0:	36:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	3555:	
	: O:	0: 0:	0: 0:	0:	0:	0:	0:	0: 0:	0:	0: 0:	0:	0: 0:	0: 0:	0: 0:	0: 0:	2621:	
	: T:	0: 0:	1884:	0: 0:	4649:	0: 0:	709:	139:	0: 0:	140:	0: 0:	810:	0: 0:	810:	0: 0:	10142:	
: UNALLO	: C:	0: 0:	0: 0:	0:	0:	0:	0:	0: 0:	0:	0: 0:	0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	
	: E:	0: 0:	0: 0:	0:	0:	0:	0:	0: 0:	0:	0: 0:	0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	
	: O:	0: 0:	0: 0:	0:	0:	0:	0:	0: 0:	0:	0: 0:	0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	
	: T:	0: 0:	0: 0:	0:	0:	0:	0:	0: 0:	0:	0: 0:	0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	
: OTHER	: C:	0: 0:	0: 0:	26911:	0: 0:	239243:	14401:	0: 0:	17979:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	298534:	
	: E:	0: 0:	0: 0:	11859:	0: 0:	80226:	4847:	0: 0:	6187:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	103119:	
	: O:	0: 0:	0: 0:	0:	193:	0: 0:	957:	58:	0: 0:	74:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	1282:	
	: T:	0: 0:	0: 0:	38963:	0: 0:	320426:	19306:	0: 0:	24240:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	402935:	
: SUMMARY	: C:	0: 0:	0: 0:	0:	393850:	0: 0:	1956341:	117900:	0: 0:	150708:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	2618799:	
	: E:	0: 5343:	0: 116280:	8602:	0: 543047:	22571:	0: 842:	37222:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	733907:	
	: O:	0: 34:	0: 4454:	174:	0: 34413:	16847:	0: 68:	11037:	0: 0:	810:	0: 0:	1811:	0: 0:	69648:			
	: T:	0: 5377:	0: 514584:	8776:	0: 2533801:	157318:	0: 910:	198967:	0: 0:	810:	0: 0:	1811:	0: 0:	3422354:			

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1979

		AGE CLASS															
		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL
: SYSTEM	: C:	278:	279:	5626:	79044:	111:	0:	43843:	10561:	0:	0:	1645:	0:	0:	0:	0:	141387:
:	: E:	2171:	10236:	3722:	87159:	930:	0:	43113:	6358:	0:	155:	1241:	0:	0:	0:	0:	155085:
:	: O:	25:	119:	43:	1015:	11:	0:	502:	74:	0:	2:	14:	0:	0:	0:	0:	1805:
:	: T:	2474:	10634:	9391:	167218:	1052:	0:	87458:	16993:	0:	157:	2900:	0:	0:	0:	0:	298277:
: KENAI	: C:	0:	457:	0:	70997:	0:	0:	221341:	46699:	0:	0:	22150:	0:	0:	0:	0:	361644:
:	: E:	0:	545:	0:	53448:	0:	0:	148123:	28905:	0:	0:	15796:	0:	0:	0:	0:	246817:
:	: O:	0:	40:	0:	3873:	0:	0:	36120:	2094:	0:	0:	3505:	0:	0:	0:	0:	45632:
:	: T:	0:	1042:	0:	128318:	0:	0:	405584:	77698:	0:	0:	41451:	0:	0:	0:	0:	654093:
: KASILOF	: C:	289:	832:	0:	111021:	0:	0:	51555:	24072:	0:	0:	2794:	0:	0:	0:	0:	190563:
:	: E:	149:	1044:	0:	87853:	0:	0:	42061:	15661:	0:	0:	2387:	0:	0:	0:	0:	149155:
:	: O:	3:	21:	0:	1781:	0:	0:	853:	318:	0:	0:	48:	0:	0:	0:	0:	3024:
:	: T:	441:	1897:	0:	200655:	0:	0:	94469:	40051:	0:	0:	5229:	0:	0:	0:	0:	342742:
: CRESENT	: C:	0:	0:	0:	17667:	0:	0:	35391:	2897:	0:	0:	852:	0:	0:	0:	0:	56807:
:	: E:	0:	693:	0:	26776:	87:	0:	58404:	607:	0:	87:	0:	0:	0:	0:	86654:	
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
:	: T:	0:	693:	0:	44443:	87:	0:	93795:	3504:	0:	87:	852:	0:	0:	0:	0:	143461:
: HIDDEN	: C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
: ENHANCED	: E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
:	: T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
FISH	: C:	0:	295:	0:	51064:	0:	0:	485:	792:	0:	0:	0:	0:	0:	0:	0:	52636:
:	: E:	0:	10902:	0:	56703:	0:	0:	480:	480:	0:	0:	0:	0:	0:	0:	0:	68565:
:	: O:	0:	25:	0:	130:	0:	0:	1:	1:	0:	0:	0:	0:	0:	0:	0:	157:
:	: T:	0:	11222:	0:	107897:	0:	0:	966:	1273:	0:	0:	0:	0:	0:	0:	0:	121358:
: UNALLO	: C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
:	: E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
:	: T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
: OTHER	: C:	0:	3:	3220:	32753:	81:	0:	55600:	22334:	436:	320:	6630:	0:	0:	0:	0:	121377:
:	: E:	0:	112:	1799:	36536:	0:	0:	55310:	13603:	0:	0:	5059:	0:	0:	0:	0:	112419:
:	: O:	6:	18:	86:	3539:	2:	0:	3984:	1048:	4:	3:	333:	0:	0:	0:	0:	9023:
:	: T:	6:	133:	5105:	72828:	83:	0:	114894:	36985:	440:	323:	12022:	0:	0:	0:	0:	242819:
: SUMMARY	: C:	567:	1866:	8846:	362546:	192:	0:	408215:	107355:	436:	320:	34071:	0:	0:	0:	0:	924414:
:	: E:	2320:	23532:	5521:	348475:	1017:	0:	347491:	65614:	0:	242:	24483:	0:	0:	0:	0:	818695:
:	: O:	34:	223:	129:	10338:	13:	0:	41460:	3535:	4:	5:	3900:	0:	0:	0:	0:	59641:
:	: T:	2921:	25621:	14496:	721359:	1222:	0:	797166:	176504:	440:	567:	62454:	0:	0:	0:	0:	1802750:

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1980

		AGE CLASS															
SYSTEM		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL
: SUSITNA	:C:	0:	100:	0:	60744:	0:	0:	107605:	10943:	0:	0:	22939:	0:	0:	0:	0:	202331:
:	:E:	0:	4164:	0:	88969:	189:	0:	75907:	7950:	0:	1325:	10790:	0:	0:	0:	0:	189294:
:	:O:	0:	98:	0:	2095:	4:	0:	1788:	187:	0:	31:	254:	0:	0:	0:	0:	4457:
:	:T:	0:	4362:	0:	151808:	193:	0:	185300:	19080:	0:	1356:	33983:	0:	0:	0:	0:	396082:
: KENAI	:C:	0:	1310:	0:	184522:	124:	0:	367368:	108042:	0:	0:	96983:	0:	0:	0:	0:	758349:
:	:E:	0:	27172:	0:	135843:	4009:	0:	160854:	44163:	0:	0:	25336:	0:	0:	0:	0:	397377:
:	:O:	0:	1752:	0:	17893:	259:	0:	13013:	23043:	0:	0:	5485:	0:	0:	0:	0:	61445:
:	:T:	0:	30234:	0:	338258:	4392:	0:	541235:	175248:	0:	0:	127804:	0:	0:	0:	0:	1217171:
: KASILOF	:C:	0:	175:	0:	148177:	0:	0:	89935:	14811:	0:	1162:	15655:	0:	0:	0:	0:	269915:
:	:E:	0:	3743:	0:	119414:	0:	0:	41171:	8912:	0:	178:	4812:	0:	0:	0:	0:	178230:
:	:O:	0:	127:	0:	4040:	0:	0:	1393:	302:	0:	6:	163:	0:	0:	0:	0:	6031:
:	:T:	0:	4045:	0:	271631:	0:	0:	132499:	24025:	0:	1346:	20630:	0:	0:	0:	0:	454176:
: CRESENT	:C:	0:	0:	0:	8090:	0:	0:	59431:	5066:	0:	0:	3024:	0:	0:	0:	0:	75611:
:	:E:	0:	0:	0:	5997:	0:	0:	79414:	2362:	0:	1636:	1454:	0:	0:	0:	0:	90863:
:	:O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	:T:	0:	0:	0:	14087:	0:	0:	138845:	7428:	0:	1636:	4478:	0:	0:	0:	0:	166474:
: HIDDEN	:C:	0:	0:	0:	16948:	0:	0:	324:	1727:	0:	0:	0:	0:	0:	0:	0:	18999:
: ENHANCED	:E:	0:	0:	0:	13403:	0:	0:	146:	1020:	0:	0:	0:	0:	0:	0:	0:	14569:
:	:O:	0:	0:	0:	717:	0:	0:	8:	55:	0:	0:	0:	0:	0:	0:	0:	780:
:	:T:	0:	0:	0:	31068:	0:	0:	478:	2802:	0:	0:	0:	0:	0:	0:	0:	34348:
: FISH	:C:	0:	75:	0:	27507:	0:	0:	13801:	7248:	0:	0:	0:	0:	0:	0:	0:	48631:
:	:E:	0:	3192:	0:	41181:	2378:	0:	9951:	5382:	501:	0:	0:	0:	0:	0:	0:	62585:
:	:O:	0:	2:	0:	28:	2:	0:	7:	4:	0:	0:	0:	0:	0:	0:	0:	43:
:	:T:	0:	3269:	0:	68716:	2380:	0:	23759:	12634:	501:	0:	0:	0:	0:	0:	0:	111259:
: UNALLO	:C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	953:
:	:E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	:O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	:T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	953:
: OTHER	:C:	0:	0:	0:	21751:	0:	0:	107442:	19822:	0:	0:	49793:	0:	0:	0:	0:	198808:
:	:E:	0:	0:	0:	32609:	0:	0:	77576:	14741:	0:	0:	23973:	0:	0:	0:	0:	148899:
:	:O:	0:	9:	0:	2452:	1:	0:	3910:	879:	0:	6:	987:	0:	0:	0:	0:	8244:
:	:T:	0:	9:	0:	56812:	1:	0:	188928:	35442:	0:	6:	74753:	0:	0:	0:	0:	355951:
: SUMMARY	:C:	0:	1660:	0:	467739:	124:	0:	745906:	167659:	0:	1162:	188394:	525:	124:	304:	0:	1573597:
:	:E:	0:	38271:	0:	437416:	6576:	0:	445019:	84530:	501:	3139:	66365:	0:	0:	0:	0:	1081817:
:	:O:	0:	1988:	0:	27225:	266:	0:	20119:	24470:	0:	43:	6889:	0:	0:	0:	0:	81000:
:	:T:	0:	41919:	0:	932380:	6966:	0:	1211044:	276659:	501:	4344:	261648:	525:	124:	304:	0:	2736414:

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1981

		AGE CLASS															
		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL
: SYSTEM	: C:	0: 453:	0: 27917:	0: 280877:	0: 14328:	0: 697:	0: 18200:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	342472:	
: SUSITNA	: E:	0: 1356:	0: 27455:	0: 284379:	0: 9830:	0: 339:	0: 15592:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	338951:	
: O:	0: 6:	0: 126:	0: 0:	0: 1302:	0: 45:	0: 1:	0: 71:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	1551:	
: T:	0: 1815:	0: 55498:	0: 0:	0: 566558:	0: 24203:	0: 1037:	0: 33863:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	682974:	
: KENAI	: C:	0: 0:	0: 0:	0: 78673:	395:	0: 362093:	43423:	0: 0:	26852:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	511436:	
: E:	0: 0:	0: 0:	0: 67544:	1955:	0: 256886:	16054:	782:	0: 0:	16242:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	359463:	
: O:	0: 0:	0: 0:	0: 6952:	99:	0: 14715:	15828:	40:	0: 0:	5536:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	43170:	
: T:	0: 0:	0: 0:	0: 153169:	2449:	0: 633694:	75305:	822:	0: 0:	48630:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	914069:	
: KASILOF	: C:	0: 0:	0: 0:	0: 81568:	0: 0:	0: 226608:	21476:	0: 0:	5272:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	334924:	
: E:	0: 0:	0: 0:	0: 71329:	0: 0:	0: 156973:	14562:	0: 0:	3949:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	246813:	
: O:	0: 0:	0: 0:	0: 5908:	0: 0:	0: 13002:	1206:	0: 0:	327:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	20443:	
: T:	0: 0:	0: 0:	0: 158805:	0: 0:	0: 396583:	37244:	0: 0:	9548:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	602180:	
: CRESENT	: C:	0: 0:	0: 0:	0: 3283:	0: 0:	0: 10739:	1826:	22:	65:	5804:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	21739:	
: E:	0: 0:	0: 0:	0: 3297:	41:	0: 14012:	4369:	0: 41:	19453:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	41213:	
: O:	0: 0:	0: 0:	0: 0:	0:	0: 0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
: T:	0: 0:	0: 0:	0: 6580:	41:	0: 24751:	6195:	22:	106:	25257:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	62952:	
: HIDDEN	: C:	0: 0:	0: 0:	0: 6814:	0: 0:	0: 1654:	789:	0: 0:	0:	0:	0:	0:	0:	0:	0:	9257:	
: ENHANCED	: E:	0: 0:	0: 0:	0: 6216:	0: 0:	0: 1195:	558:	0: 0:	0:	0:	0:	0:	0:	0:	0:	7969:	
: O:	0: 0:	0: 0:	0: 236:	0: 0:	0: 45:	21:	0: 0:	0:	0:	0:	0:	0:	0:	0:	0:	302:	
: T:	0: 0:	0: 0:	0: 13266:	0: 0:	0: 2894:	1368:	0: 0:	0:	0:	0:	0:	0:	0:	0:	0:	17528:	
: FISH	: C:	0: 219:	0: 29150:	0: 0:	0: 18810:	2644:	0: 0:	235:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	51058:	
: E:	0: 654:	0: 28646:	0: 0:	0: 19030:	1812:	0: 0:	0:	201:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	50343:	
: O:	0: 2:	0: 0:	0: 76:	0: 0:	0: 51:	5:	0: 0:	0:	1:	0:	0:	0:	0:	0:	0:	135:	
: T:	0: 875:	0: 57872:	0: 0:	0: 37891:	4461:	0: 0:	0:	437:	0: 0:	0:	0:	0:	0:	0:	0:	101536:	
: UNALLO	: C:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
: E:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
: O:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
: T:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
: OTHER	: C:	0: 0:	0: 0:	0: 21470:	0: 0:	0: 123674:	15031:	0: 0:	8216:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	168391:	
: E:	0: 0:	0: 0:	0: 21211:	0: 0:	0: 125788:	10359:	0: 0:	7070:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	164428:	
: O:	0: 3:	0: 0:	0: 1109:	2:	0: 4564:	443:	0: 3:	288:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	6412:	
: T:	0: 3:	0: 0:	0: 43790:	2:	0: 254026:	25833:	0: 3:	15574:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	339231:	
: SUMMARY	: C:	0: 672:	0: 248875:	395:	0: 1024455:	99517:	22:	762:	64579:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	1439277:	
: E:	0: 2010:	0: 225698:	1996:	0: 858263:	57544:	782:	380:	62507:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	1209180:	
: O:	0: 11:	0: 14407:	101:	0: 33679:	17548:	40:	4:	6223:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	72013:	
: T:	0: 2693:	0: 488980:	2492:	0: 1916397:	174609:	844:	1146:	133309:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	0: 0:	2720470:	

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1982

		AGE CLASS															
SYSTEM		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL
: SUSITNA	: C:	0: 1063:	0: 54169:	124:	0: 258816:	9097:	0:	0: 54378:	0:	0:	0: 0:	0:	0:	0:	0:	377647:	
:	: E:	0: 4314:	0: 44078:	938:	0: 111790:	6190:	0:	0: 20257:	0:	0:	0: 0:	0:	0:	0:	0:	187567:	
:	: O:	0: 58:	0: 591:	13:	0: 1499:	83:	0:	0: 272:	0:	0:	0: 0:	0:	0:	0:	0:	2516:	
:	: T:	0: 5435:	0: 98838:	1075:	0: 372105:	15370:	0:	0: 74907:	0:	0:	0: 0:	0:	0:	0:	0:	567730:	
: KENAI	: C:	0: 416:	0: 81717:	0:	0: 1684164:	40206:	0:	2334:	106625:	0:	0:	0: 0:	0:	0:	0:	1915462:	
:	: E:	0: 566:	0: 32609:	0:	0: 495251:	16349:	0:	340:	20954:	0:	0:	0: 0:	0:	0:	0:	566069:	
:	: O:	0: 60:	0: 3487:	0:	0: 52846:	1745:	0:	36:	2236:	0:	0:	0: 0:	0:	0:	0:	60410:	
:	: T:	0: 1042:	0: 117813:	0:	0: 2232261:	58300:	0:	2710:	129815:	0:	0:	0: 0:	0:	0:	0:	2541941:	
: KASILOF	: C:	0: 1010:	0: 131673:	77:	0: 317720:	39279:	0:	0: 41075:	0:	0:	0: 0:	0:	0:	0:	0:	530834:	
:	: E:	0: 1348:	0: 51563:	337:	0: 91667:	15671:	0:	0: 7920:	0:	0:	0: 0:	0:	0:	0:	0:	168506:	
:	: O:	0: 173:	0: 6600:	43:	0: 11732:	2006:	0:	0: 1014:	0:	0:	0: 0:	0:	0:	0:	0:	21568:	
:	: T:	0: 2531:	0: 189836:	457:	0: 421119:	56956:	0:	0: 50009:	0:	0:	0: 0:	0:	0:	0:	0:	720908:	
: CRESENT	: C:	0: 17:	0: 2259:	22:	0: 16864:	577:	0:	7: 2104:	0:	0:	0: 0:	0:	0:	0:	0:	21850:	
:	: E:	0: 0:	0: 7605:	0:	0: 46694:	472:	0:	59: 4127:	0:	0:	0: 0:	0:	0:	0:	0:	58957:	
:	: O:	0: 0:	0: 0:	0:	0: 0:	0:	0:	0: 0:	0:	0:	0: 0:	0:	0:	0:	0:	0:	
:	: T:	0: 17:	0: 9864:	22:	0: 63558:	1049:	0:	66: 6231:	0:	0:	0: 0:	0:	0:	0:	0:	80807:	
: HIDDEN	: C:	0: 0:	0: 438:	0:	0: 195:	43:	0:	0: 0:	0:	0:	0: 0:	0:	0:	0:	0:	676:	
: ENHANCED	: E:	0: 0:	0: 181:	0:	0: 60:	18:	0:	0: 0:	0:	0:	0: 0:	0:	0:	0:	0:	259:	
:	: O:	0: 0:	0: 36:	0:	0: 12:	4:	0:	0: 0:	0:	0:	0: 0:	0:	0:	0:	0:	52:	
:	: T:	0: 0:	0: 655:	0:	0: 267:	65:	0:	0: 0:	0:	0:	0: 0:	0:	0:	0:	0:	987:	
: FISH	: C:	0: 481:	0: 8199:	0:	0: 42139:	779:	0:	0: 1499:	0:	0:	0: 0:	0:	0:	0:	0:	53097:	
:	: E:	0: 1963:	0: 6701:	0:	0: 18281:	533:	0:	0: 561:	0:	0:	0: 0:	0:	0:	0:	0:	28039:	
:	: O:	0: 9:	0: 30:	0:	0: 82:	2:	0:	0: 3:	0:	0:	0: 0:	0:	0:	0:	0:	126:	
:	: T:	0: 2453:	0: 14930:	0:	0: 60502:	1314:	0:	0: 2063:	0:	0:	0: 0:	0:	0:	0:	0:	81262:	
: UNALLO	: C:	0: 0:	0: 0:	0:	0: 0:	0:	0:	0: 104:	0:	0:	0: 0:	0:	0:	0:	0:	104:	
:	: E:	0: 0:	0: 0:	0:	0: 0:	0:	0:	0: 0:	0:	0:	0: 0:	0:	0:	0:	0:	0:	
:	: O:	0: 0:	0: 0:	0:	0: 0:	0:	0:	0: 0:	0:	0:	0: 0:	0:	0:	0:	0:	0:	
:	: T:	0: 0:	0: 0:	0:	0: 0:	0:	0:	0: 104:	0:	0:	0: 0:	0:	0:	0:	0:	104:	
: OTHER	: C:	0: 12:	0: 12831:	0:	0: 309014:	5060:	0:	1783:	31494:	0:	0:	0: 0:	0:	0:	0:	360194:	
:	: E:	0: 48:	0: 10581:	0:	0: 135261:	3489:	0:	275:	11890:	0:	0:	0: 0:	0:	0:	0:	161544:	
:	: O:	0: 4:	0: 402:	0:	0: 3625:	131:	0:	6:	327:	0:	0:	0: 0:	0:	0:	0:	4495:	
:	: T:	0: 64:	0: 23814:	0:	0: 447900:	8680:	0:	2064:	43711:	0:	0:	0: 0:	0:	0:	0:	526233:	
: SUMMARY	: C:	0: 2999:	0: 291286:	223:	0: 2628912:	95041:	104:	4124:	237175:	0:	0:	0: 0:	0:	0:	0:	3259864:	
:	: E:	0: 8239:	0: 153318:	1275:	0: 899004:	42722:	0:	674:	65709:	0:	0:	0: 0:	0:	0:	0:	1170941:	
:	: O:	0: 304:	0: 11146:	56:	0: 69796:	3971:	0:	42:	3852:	0:	0:	0: 0:	0:	0:	0:	89167:	
:	: T:	0: 11542:	0: 455750:	1554:	0: 3597712:	141734:	104:	4840:	306736:	0:	0:	0: 0:	0:	0:	0:	4519972:	

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1983

		AGE CLASS															
:SYSTEM		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL
: SUSITNA	:C:	4032:	144:	6322:	184494:	111:	74:	160566:	8279:	0:	1095:	7572:	0:	0:	0:	0:	372689:
	:E:	482:	4800:	482:	112629:	1273:	585:	46662:	2925:	0:	206:	2013:	0:	0:	0:	0:	172057:
	:O:	12:	118:	12:	2777:	31:	14:	1150:	72:	0:	5:	50:	0:	0:	0:	0:	4241:
	:T:	4526:	5062:	6816:	299900:	1415:	673:	208378:	11276:	0:	1306:	9635:	0:	0:	0:	0:	548987:
: KENAI	:C:	0:	903:	26296:	161652:	350:	0:	2487543:	40375:	0:	16226:	257560:	0:	0:	0:	0:	2990905:
	:E:	0:	1726:	1670:	46870:	2728:	0:	439754:	12302:	0:	1447:	49598:	0:	557:	0:	0:	556652:
	:O:	0:	294:	284:	7985:	465:	0:	74914:	2096:	0:	247:	8449:	0:	95:	0:	0:	94829:
	:T:	0:	2923:	28250:	216507:	3543:	0:	3002211:	54773:	0:	17920:	315607:	0:	652:	0:	0:	3642386:
: KASILOF	:C:	0:	0:	0:	337959:	0:	0:	371020:	83535:	0:	0:	46148:	0:	0:	0:	0:	838662:
	:E:	0:	0:	0:	98971:	0:	0:	66248:	25707:	0:	0:	8976:	0:	0:	0:	0:	199902:
	:O:	0:	0:	0:	15711:	0:	0:	10516:	4081:	0:	0:	1425:	0:	0:	0:	0:	31733:
	:T:	0:	0:	0:	452641:	0:	0:	447784:	113323:	0:	0:	56549:	0:	0:	0:	0:	1070297:
: CRESENT	:C:	0:	0:	121:	10029:	0:	0:	30510:	9123:	0:	181:	10452:	0:	0:	0:	0:	60416:
	:E:	0:	0:	0:	10041:	553:	0:	38968:	25241:	0:	184:	17135:	0:	0:	0:	0:	92122:
	:O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
	:T:	0:	0:	121:	20070:	553:	0:	69478:	34364:	0:	365:	27587:	0:	0:	0:	0:	152538:
: HIDDEN	:C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
: ENHANCED	:E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
	:O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
	:T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
: FISH	:C:	0:	347:	0:	174812:	50:	0:	3439:	5141:	0:	0:	734:	0:	0:	0:	0:	184523:
	:E:	0:	10717:	0:	98664:	530:	0:	924:	1679:	0:	0:	180:	0:	0:	0:	0:	112694:
	:O:	0:	580:	0:	5342:	29:	0:	50:	91:	0:	0:	10:	0:	0:	0:	0:	6102:
	:T:	0:	11644:	0:	278818:	609:	0:	4413:	6911:	0:	0:	924:	0:	0:	0:	0:	303319:
: UNALLO	:C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	228:	0:	0:	228:
	:E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	:O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
	:T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	228:	0:	0:	228:
: OTHER	:C:	1504:	0:	37735:	43569:	0:	0:	455150:	11191:	0:	3811:	49349:	0:	0:	0:	0:	602309:
	:E:	184:	0:	2946:	27254:	0:	0:	135532:	4051:	0:	737:	13443:	0:	0:	0:	0:	184147:
	:O:	9:	2:	114:	1481:	1:	0:	5694:	256:	0:	35:	603:	0:	0:	0:	0:	8195:
	:T:	1697:	2:	40795:	72304:	1:	0:	596376:	15498:	0:	4583:	63395:	0:	0:	0:	0:	794651:
: SUMMARY	:C:	5536:	1394:	70474:	912515:	511:	74:	3508228:	157644:	0:	21313:	371815:	0:	228:	0:	0:	5049732:
	:E:	666:	17243:	5098:	394429:	5084:	585:	728088:	71905:	0:	2574:	91345:	0:	557:	0:	0:	1317574:
	:O:	21:	994:	410:	33296:	526:	14:	92324:	6596:	0:	287:	10537:	0:	95:	0:	0:	145100:
	:T:	6223:	19631:	75982:	1340240:	6121:	673:	4328640:	236145:	0:	24174:	473697:	0:	880:	0:	0:	6512406:

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1984

		AGE CLASS															
		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL
: SYSTEM	: C:	633:	208:	15996:	66864:	0:	0:	264849:	16725:	0:	216:	26554:	0:	0:	0:	0:	392045:
:	: E:	1323:	6283:	5181:	110976:	1736:	0:	125389:	13807:	0:	138:	10748:	0:	0:	0:	0:	275581:
:	: O:	20:	94:	78:	1664:	26:	0:	1880:	207:	0:	2:	161:	0:	0:	0:	0:	4132:
:	: T:	1976:	6585:	21255:	179504:	1762:	0:	392118:	30739:	0:	356:	37463:	0:	0:	0:	0:	671758:
: KENAI	: C:	324:	0:	11697:	88035:	181:	0:	334517:	73219:	0:	20099:	172929:	1495:	0:	121:	0:	702617:
:	: E:	310:	0:	3405:	71497:	1548:	0:	116996:	40856:	0:	11142:	60355:	3095:	0:	310:	0:	309514:
:	: O:	38:	0:	414:	8702:	188:	0:	14240:	4973:	0:	1356:	7346:	377:	0:	38:	0:	37672:
:	: T:	672:	0:	15516:	168234:	1917:	0:	465753:	119048:	0:	32597:	240630:	4967:	0:	469:	0:	1049803:
: KASILOF	: C:	0:	0:	0:	144011:	54:	0:	164225:	74296:	0:	0:	43797:	0:	0:	0:	0:	426383:
:	: E:	0:	0:	0:	110969:	439:	0:	54496:	39334:	0:	0:	14503:	0:	0:	0:	0:	219741:
:	: O:	0:	0:	0:	20225:	80:	0:	9932:	7169:	0:	0:	2643:	0:	0:	0:	0:	40049:
:	: T:	0:	0:	0:	275205:	573:	0:	228653:	120799:	0:	0:	60943:	0:	0:	0:	0:	686173:
: CRESENT	: C:	0:	0:	120:	6215:	120:	0:	30836:	21633:	0:	239:	59999:	120:	239:	0:	0:	119521:
:	: E:	0:	0:	0:	4142:	0:	0:	20000:	23669:	0:	0:	70297:	237:	0:	0:	0:	118345:
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: T:	0:	0:	120:	10357:	120:	0:	50836:	45302:	0:	239:	130296:	357:	239:	0:	0:	237866:
: HIDDEN	: C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
: ENHANCED	: E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
: FISH	: C:	0:	44:	0:	96478:	0:	0:	22896:	17739:	0:	0:	3759:	327:	0:	0:	0:	141243:
:	: E:	0:	1342:	0:	161393:	1342:	0:	10926:	14759:	0:	0:	1533:	383:	0:	0:	0:	191678:
:	: O:	0:	5:	0:	568:	5:	0:	38:	52:	0:	0:	5:	1:	0:	0:	0:	674:
:	: T:	0:	1391:	0:	258439:	1347:	0:	33860:	32550:	0:	0:	5297:	711:	0:	0:	0:	333595:
: UNALLO	: C:	0:	0:	0:	0:	0:	74:	0:	0:	0:	0:	0:	0:	0:	92:	166:	
:	: E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: T:	0:	0:	0:	0:	0:	74:	0:	0:	0:	0:	0:	0:	0:	0:	92:	166:
: OTHER	: C:	41:	1:	10644:	16950:	0:	0:	200328:	15787:	0:	3221:	75468:	30:	2263:	6:	0:	324739:
:	: E:	87:	17:	3499:	28554:	0:	0:	96265:	13227:	0:	2082:	31003:	35:	175:	17:	0:	174961:
:	: O:	4:	1:	156:	1702:	1:	0:	4138:	892:	0:	97:	1555:	8:	10:	1:	0:	8565:
:	: T:	132:	19:	14299:	47206:	1:	0:	300731:	29906:	0:	5400:	108026:	73:	2448:	24:	0:	508265:
: SUMMARY	: C:	998:	253:	38457:	418553:	355:	74:	1017651:	219399:	0:	23775:	382506:	1972:	2502:	127:	92:	2106714:
:	: E:	1720:	7642:	12085:	487531:	5065:	0:	424072:	145652:	0:	13362:	188439:	3750:	175:	327:	0:	1289820:
:	: O:	62:	100:	648:	32861:	300:	0:	30228:	13293:	0:	1455:	11710:	386:	10:	39:	0:	91092:
:	: T:	2780:	7995:	51190:	938945:	5720:	74:	1471951:	378344:	0:	38592:	582655:	6108:	2687:	493:	92:	3487626:

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1985

		AGE CLASS															
		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL
: SYSTEM	: C:	1961:	743:	19521:	75368:	286:	123:	247041:	13969:	0:	2969:	13091:	146:	0:	0:	0:	375218:
:	: E:	4293:	12676:	4610:	89955:	926:	113:	96937:	10846:	90:	859:	4564:	90:	0:	0:	0:	225959:
:	: O:	40:	119:	43:	847:	9:	1:	912:	102:	1:	8:	43:	1:	0:	0:	0:	2126:
:	: T:	6294:	13538:	24174:	166170:	1221:	237:	344890:	24917:	91:	3836:	17698:	237:	0:	0:	0:	603303:
: KENAI	: C:	1001:	586:	6334:	156478:	1336:	0:	1114553:	147118:	0:	8543:	200022:	2705:	0:	0:	0:	1638676:
:	: E:	1980:	396:	792:	62969:	396:	396:	223362:	58217:	0:	1188:	45148:	1188:	0:	0:	0:	396032:
:	: O:	582:	116:	233:	18512:	116:	116:	65665:	17115:	0:	349:	13273:	349:	0:	0:	0:	116426:
:	: T:	3563:	1098:	7359:	237959:	1848:	512:	1403580:	222450:	0:	10080:	258443:	4242:	0:	0:	0:	2151134:
: KASILOF	: C:	0:	1220:	0:	588096:	1391:	0:	448496:	185459:	0:	2965:	47493:	0:	0:	0:	0:	1275120:
:	: E:	0:	987:	0:	283150:	493:	0:	107538:	87806:	0:	493:	12826:	0:	0:	0:	0:	493293:
:	: O:	0:	80:	0:	23082:	40:	0:	8766:	7158:	0:	40:	1046:	0:	0:	0:	0:	40212:
:	: T:	0:	2287:	0:	894328:	1924:	0:	564800:	280423:	0:	3498:	61365:	0:	0:	0:	0:	1808625:
: CRESENT	: C:	181:	0:	361:	8856:	181:	0:	82058:	16086:	0:	723:	72298:	0:	0:	0:	0:	180744:
:	: E:	0:	257:	0:	6046:	386:	0:	40261:	26369:	0:	0:	55310:	0:	0:	0:	0:	128629:
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: T:	181:	257:	361:	14902:	567:	0:	122319:	42455:	0:	723:	127608:	0:	0:	0:	0:	309373:
: HIDDEN	: C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
: ENHANCED	: E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
: FISH	: C:	0:	270:	0:	32236:	43:	0:	58973:	3591:	0:	0:	1599:	0:	0:	0:	0:	96712:
:	: E:	0:	4517:	0:	37782:	137:	0:	22724:	2738:	0:	0:	548:	0:	0:	0:	0:	68446:
:	: O:	0:	117:	0:	983:	4:	0:	591:	71:	0:	0:	14:	0:	0:	0:	0:	1780:
:	: T:	0:	4904:	0:	71001:	184:	0:	82288:	6400:	0:	0:	2161:	0:	0:	0:	0:	166938:
: UNALLO	: C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
: OTHER	: C:	97:	0:	13527:	23551:	0:	0:	371192:	16455:	0:	3682:	61683:	344:	3428:	0:	0:	493959:
:	: E:	215:	0:	3224:	28373:	0:	0:	147026:	12897:	0:	1075:	21710:	215:	215:	0:	0:	214950:
:	: O:	6:	5:	75:	1677:	6:	0:	4403:	726:	0:	36:	751:	6:	6:	0:	0:	7697:
:	: T:	318:	5:	16826:	53601:	6:	0:	522621:	30078:	0:	4793:	84144:	565:	3649:	0:	0:	716606:
: SUMMARY	: C:	3240:	2819:	39743:	884585:	3237:	123:	2322313:	382678:	0:	18882:	396186:	3195:	3428:	0:	0:	4060429:
:	: E:	6488:	18833:	8626:	508275:	2338:	509:	637848:	198873:	90:	3615:	140106:	1493:	215:	0:	0:	1527309:
:	: O:	628:	437:	351:	45101:	175:	117:	80337:	25172:	1:	433:	15127:	356:	6:	0:	0:	168241:
:	: T:	10356:	22089:	48720:	1437961:	5750:	749:	3040498:	606723:	91:	22930:	551419:	5044:	3649:	0:	0:	5755979:

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1986

		AGE CLASS															
SYSTEM		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL
: SUSITNA	:C:	1932:	0:	7356:	66524:	132:	0:	403986:	23515:	0:	561:	37681:	0:	0:	0:	0:	541687:
:	:E:	1762:	0:	1866:	36693:	536:	0:	112842:	8171:	0:	259:	10624:	0:	0:	0:	0:	172753:
:	:O:	71:	0:	76:	1487:	22:	0:	4573:	331:	0:	11:	431:	0:	0:	0:	0:	7002:
:	:T:	3765:	0:	9298:	104704:	690:	0:	521401:	32017:	0:	831:	48736:	0:	0:	0:	0:	721442:
: KENAI	:C:	661:	0:	29474:	530141:	0:	0:	972292:	220672:	0:	10023:	422690:	0:	1360:	0:	0:	2187313:
:	:E:	410:	0:	5336:	123445:	1231:	0:	161386:	33159:	0:	2873:	73885:	0:	410:	0:	0:	402135:
:	:O:	103:	0:	1342:	32081:	310:	0:	40689:	8411:	0:	722:	18577:	0:	103:	0:	0:	102338:
:	:T:	1174:	0:	36152:	685667:	1541:	0:	1174367:	262242:	0:	13618:	515152:	0:	1873:	0:	0:	2691786:
: KASILOF	:C:	503:	0:	0:	453986:	0:	0:	658699:	206032:	0:	2907:	68230:	0:	949:	0:	0:	1391306:
:	:E:	316:	0:	0:	107679:	211:	0:	110683:	31379:	0:	843:	12067:	0:	290:	0:	0:	263468:
:	:O:	75:	0:	0:	25505:	50:	0:	26217:	7433:	0:	200:	2858:	0:	69:	0:	0:	62407:
:	:T:	894:	0:	0:	587170:	261:	0:	795599:	244844:	0:	3950:	83155:	0:	1308:	0:	0:	1717181:
: CRESENT	:C:	0:	0:	375:	5707:	300:	0:	17122:	14343:	0:	0:	36646:	601:	0:	0:	0:	75094:
:	:E:	0:	0:	0:	6216:	0:	0:	15110:	12432:	0:	0:	61204:	669:	0:	0:	0:	95631:
:	:O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	:T:	0:	0:	375:	11923:	300:	0:	32232:	26775:	0:	0:	97850:	1270:	0:	0:	0:	170725:
: HIDDEN	:C:	0:	0:	0:	26670:	0:	0:	3986:	2932:	0:	0:	0:	0:	0:	0:	0:	33588:
: ENHANCED	:E:	0:	0:	0:	7084:	0:	0:	750:	500:	0:	0:	0:	0:	0:	0:	0:	8334:
:	:O:	0:	0:	0:	2297:	0:	0:	243:	162:	0:	0:	0:	0:	0:	0:	0:	2702:
:	:T:	0:	0:	0:	36051:	0:	0:	4979:	3594:	0:	0:	0:	0:	0:	0:	0:	44624:
: FISH	:C:	0:	423:	0:	28185:	208:	0:	18860:	8451:	0:	106:	1200:	0:	0:	0:	0:	57433:
:	:E:	0:	3836:	0:	16133:	875:	0:	5467:	3048:	0:	51:	351:	0:	0:	0:	0:	29761:
:	:O:	0:	5:	0:	21:	1:	0:	7:	4:	0:	0:	0:	0:	0:	0:	0:	38:
:	:T:	0:	4264:	0:	44339:	1084:	0:	24334:	11503:	0:	157:	1551:	0:	0:	0:	0:	87232:
: UNALLO	:C:	0:	0:	0:	0:	0:	105:	0:	0:	1033:	0:	0:	1437:	105:	0:	0:	2680:
:	:E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	:O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	:T:	0:	0:	0:	0:	0:	105:	0:	0:	1033:	0:	0:	1437:	105:	0:	0:	2680:
: OTHER	:C:	171:	0:	6765:	50342:	0:	0:	328381:	37261:	0:	675:	75796:	0:	0:	0:	0:	499391:
:	:E:	162:	0:	1785:	28892:	0:	0:	95441:	13472:	0:	325:	22237:	0:	0:	0:	0:	162314:
:	:O:	4:	1:	54:	1432:	1:	0:	2963:	633:	0:	18:	792:	1:	3:	0:	0:	5902:
:	:T:	337:	1:	8604:	80666:	1:	0:	426785:	51366:	0:	1018:	98825:	1:	3:	0:	0:	667607:
: SUMMARY	:C:	3267:	423:	43970:	1161555:	640:	105:	2403326:	513206:	1033:	14272:	642243:	2038:	2414:	0:	0:	4788492:
:	:E:	2650:	3836:	8987:	326142:	2853:	0:	501679:	102161:	0:	4351:	180368:	669:	700:	0:	0:	1134396:
:	:O:	253:	6:	1472:	62823:	384:	0:	74692:	16974:	0:	951:	22658:	1:	175:	0:	0:	180389:
:	:T:	6170:	4265:	54429:	1550520:	3877:	105:	2979697:	632341:	1033:	19574:	845269:	2708:	3289:	0:	0:	6103277:

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1987

		AGE CLASS															
		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL
: SYSTEM	: C:	3185:	63:	16159:	37000:	0:	0:	186876:	23445:	0:	1374:	52403:	0:	0:	0:	0:	320504:
:	: E:	1646:	1122:	3031:	29083:	0:	0:	63142:	10763:	0:	1297:	14629:	0:	0:	0:	0:	124713:
:	: O:	56:	38:	103:	993:	0:	0:	2156:	368:	0:	44:	500:	0:	0:	0:	0:	4258:
:	: T:	4887:	1223:	19293:	67076:	0:	0:	252174:	34576:	0:	2715:	67532:	0:	0:	0:	0:	449475:
: KENAI	: C:	0:	0:	22620:	390348:	0:	0:	5865488:	199855:	0:	4144:	487377:	0:	0:	0:	0:	6969832:
:	: E:	0:	0:	1828:	150284:	0:	1828:	1077814:	32132:	0:	1969:	71176:	0:	0:	0:	0:	1337031:
:	: O:	0:	0:	344:	30890:	0:	344:	231270:	21350:	0:	371:	16397:	0:	0:	0:	0:	300966:
:	: T:	0:	0:	24792:	571522:	0:	2172:	7174572:	253337:	0:	6484:	574950:	0:	0:	0:	0:	8607829:
: KASILOF	: C:	0:	0:	0:	266407:	250:	0:	350688:	238653:	0:	0:	101913:	0:	0:	0:	0:	957911:
:	: E:	0:	568:	0:	102595:	189:	0:	64941:	52990:	0:	0:	15194:	189:	0:	0:	0:	236666:
:	: O:	0:	117:	0:	21053:	39:	0:	13327:	10874:	0:	0:	3118:	39:	0:	0:	0:	48567:
:	: T:	0:	685:	0:	390055:	478:	0:	428956:	302517:	0:	0:	120225:	228:	0:	0:	0:	1243144:
: CRESENT	: C:	0:	0:	295:	7251:	102:	0:	51852:	7840:	0:	295:	33715:	102:	102:	0:	0:	101554:
:	: E:	0:	0:	0:	3150:	0:	0:	57272:	5037:	0:	0:	54135:	0:	625:	0:	0:	120219:
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
:	: T:	0:	0:	295:	10401:	102:	0:	109124:	12877:	0:	295:	87850:	102:	727:	0:	0:	221773:
: HIDDEN	: C:	0:	0:	0:	68748:	0:	0:	4468:	1242:	0:	0:	0:	0:	0:	0:	0:	74458:
: ENHANCED	: E:	0:	0:	0:	27806:	0:	0:	869:	290:	0:	0:	0:	0:	0:	0:	0:	28965:
:	: O:	0:	0:	0:	7608:	0:	0:	238:	79:	0:	0:	0:	0:	0:	0:	0:	7925:
:	: T:	0:	0:	0:	104162:	0:	0:	5575:	1611:	0:	0:	0:	0:	0:	0:	0:	111348:
: FISH	: C:	0:	2020:	0:	146421:	0:	0:	9919:	13162:	0:	0:	0:	0:	0:	0:	0:	171522:
:	: E:	0:	5930:	0:	77044:	0:	0:	2440:	4297:	0:	0:	0:	0:	0:	0:	0:	89711:
:	: O:	0:	245:	0:	3181:	0:	0:	101:	177:	0:	0:	0:	0:	0:	0:	0:	3704:
:	: T:	0:	8195:	0:	226646:	0:	0:	12460:	17636:	0:	0:	0:	0:	0:	0:	0:	264937:
: UNALLO	: C:	0:	0:	0:	0:	531:	0:	0:	0:	0:	0:	0:	41:	0:	0:	0:	572:
:	: E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: T:	0:	0:	0:	0:	531:	0:	0:	0:	0:	0:	0:	41:	0:	0:	0:	572:
: OTHER	: C:	61:	0:	9638:	32921:	0:	0:	757986:	24040:	0:	235:	78952:	0:	0:	0:	0:	903833:
:	: E:	33:	0:	1869:	26761:	0:	0:	264856:	11413:	0:	230:	22793:	0:	0:	0:	0:	327955:
:	: O:	2:	2:	37:	727:	0:	0:	5539:	390:	0:	5:	578:	0:	0:	0:	0:	7280:
:	: T:	96:	2:	11544:	60409:	0:	0:	1028381:	35843:	0:	470:	102323:	0:	0:	0:	0:	1239068:
: SUMMARY	: C:	3246:	2083:	48712:	949096:	883:	0:	7227277:	508237:	0:	6048:	754360:	143:	102:	0:	0:	9500186:
:	: E:	1679:	7620:	6728:	416723:	189:	1828:	1531334:	116922:	0:	3496:	177927:	189:	625:	0:	0:	2265260:
:	: O:	58:	402:	484:	64452:	39:	344:	252631:	33238:	0:	420:	20593:	39:	0:	0:	0:	372700:
:	: T:	4983:	10105:	55924:	1430271:	1111:	2172:	9011242:	658397:	0:	9964:	952880:	371:	727:	0:	0:	12138146:

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1988

		AGE CLASS															
		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL
: SYSTEM	: C:	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	
: SUSITNA	: C:	2769:	29:	9970:	52515:	1506:	0:	126318:	24991:	0:	571:	38927:	0:	446:	0:	0:	258042:
:	: E:	2654:	400:	2371:	32714:	1698:	0:	40900:	6381:	0:	224:	10166:	0:	59:	0:	0:	97567:
:	: O:	124:	19:	111:	1532:	79:	0:	1915:	299:	0:	11:	476:	0:	3:	0:	0:	4569:
:	: T:	5547:	448:	12452:	86761:	3283:	0:	169133:	31671:	0:	806:	49569:	0:	508:	0:	0:	360178:
: KENAI	: C:	0:	195:	2811:	262738:	2215:	0:	3572373:	227359:	0:	19039:	639098:	0:	0:	0:	0:	4725828:
:	: E:	0:	2515:	629:	67768:	1691:	0:	646914:	26878:	0:	3143:	90672:	0:	0:	0:	0:	840210:
:	: O:	0:	475:	119:	14881:	552:	0:	143126:	5339:	0:	594:	18339:	0:	0:	0:	0:	183425:
:	: T:	0:	3185:	3559:	345387:	4458:	0:	4362413:	259576:	0:	22776:	748109:	0:	0:	0:	0:	5749463:
: KASILOF	: C:	0:	7:	0:	178839:	181:	0:	275068:	206339:	0:	1361:	117378:	0:	2546:	0:	0:	781719:
:	: E:	0:	85:	0:	47799:	156:	0:	51686:	24843:	0:	227:	17011:	0:	71:	0:	0:	141878:
:	: O:	0:	15:	0:	8458:	28:	0:	9146:	4396:	0:	40:	3010:	0:	13:	0:	0:	25106:
:	: T:	0:	107:	0:	235096:	365:	0:	335900:	235578:	0:	1628:	137399:	0:	2630:	0:	0:	948703:
: CRESENT	: C:	0:	0:	247:	15728:	123:	0:	55178:	13859:	0:	0:	17598:	0:	0:	0:	0:	102733:
:	: E:	0:	0:	0:	5997:	75:	0:	25943:	10279:	0:	312:	15035:	75:	0:	0:	0:	57716:
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: T:	0:	0:	247:	21725:	198:	0:	81121:	24138:	0:	312:	32633:	75:	0:	0:	0:	160449:
: HIDDEN	: C:	0:	0:	0:	131665:	0:	0:	7969:	6219:	0:	0:	0:	0:	0:	0:	0:	145853:
: ENHANCED	: E:	0:	0:	0:	36018:	0:	0:	1533:	766:	0:	0:	0:	0:	0:	0:	0:	38317:
:	: O:	0:	0:	0:	6706:	0:	0:	285:	143:	0:	0:	0:	0:	0:	0:	0:	7134:
:	: T:	0:	0:	0:	174389:	0:	0:	9787:	7128:	0:	0:	0:	0:	0:	0:	0:	191304:
: FISH	: C:	0:	6250:	0:	178644:	694:	0:	5186:	7234:	0:	0:	0:	0:	0:	0:	0:	198008:
:	: E:	0:	9353:	0:	57412:	353:	0:	947:	1065:	0:	0:	0:	0:	0:	0:	0:	69130:
:	: O:	0:	741:	0:	4546:	28:	0:	75:	84:	0:	0:	0:	0:	0:	0:	0:	5474:
:	: T:	0:	16344:	0:	240602:	1075:	0:	6208:	8383:	0:	0:	0:	0:	0:	0:	0:	272612:
: UNALLO	: C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
: OTHER	: C:	147:	4:	3047:	33506:	161:	0:	427629:	52028:	0:	1025:	103582:	417:	613:	0:	0:	622159:
:	: E:	147:	63:	759:	21850:	190:	0:	144943:	13906:	0:	421:	28319:	21:	84:	0:	0:	210703:
:	: O:	2:	5:	13:	702:	4:	0:	3676:	443:	0:	18:	754:	0:	3:	0:	0:	5620:
:	: T:	296:	72:	3819:	56058:	355:	0:	576248:	66377:	0:	1464:	132655:	438:	700:	0:	0:	838482:
: SUMMARY	: C:	2916:	6485:	16075:	853635:	4880:	0:	4469721:	538029:	0:	21996:	916583:	417:	3605:	0:	0:	6834342:
:	: E:	2801:	12416:	3759:	269558:	4163:	0:	912866:	84118:	0:	4327:	161203:	96:	214:	0:	0:	1455521:
:	: O:	126:	1255:	243:	36825:	691:	0:	158223:	10704:	0:	663:	22579:	0:	19:	0:	0:	231328:
:	: T:	5843:	20156:	20077:	1160018:	9734:	0:	5540810:	632851:	0:	26986:	1100365:	513:	3838:	0:	0:	8521191:

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1989

		AGE CLASS															
		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL
: SYSTEM	: C:	2067:	773:	10128:	14929:	166:	0:	61987:	3727:	0:	58:	6264:	0:	0:	0:	0:	100099:
:	: E:	7614:	1232:	11476:	37333:	883:	0:	98812:	10188:	0:	552:	15816:	0:	0:	0:	0:	183906:
:	: O:	162:	26:	244:	793:	19:	0:	2098:	216:	0:	12:	336:	0:	0:	0:	0:	3906:
:	: T:	9843:	2031:	21848:	53055:	1068:	0:	162897:	14131:	0:	622:	22416:	0:	0:	0:	0:	287911:
: KENAI	: C:	46:	148:	3422:	168872:	468:	0:	989073:	475958:	183:	27721:	2476229:	0:	1994:	0:	0:	4144114:
:	: E:	972:	2778:	833:	69803:	11250:	0:	328983:	102903:	4306:	12639:	794914:	0:	4306:	0:	0:	1333687:
:	: O:	230:	657:	197:	26882:	2660:	0:	128853:	26926:	1018:	2989:	192198:	0:	1018:	0:	0:	383628:
:	: T:	1248:	3583:	4452:	265557:	14378:	0:	1446909:	605787:	5507:	43349:	3463341:	0:	7318:	0:	0:	5861429:
: KASILOF	: C:	0:	0:	0:	44750:	4:	0:	130867:	230384:	0:	183:	56050:	0:	0:	0:	0:	462238:
:	: E:	0:	0:	0:	22347:	105:	0:	52837:	54813:	0:	90:	19488:	0:	0:	0:	0:	149680:
:	: O:	0:	0:	0:	3274:	15:	0:	7740:	8030:	0:	13:	2855:	0:	0:	0:	0:	21927:
:	: T:	0:	0:	0:	70371:	124:	0:	191444:	293227:	0:	286:	78393:	0:	0:	0:	0:	633845:
: CRESENT	: C:	0:	0:	78:	391:	0:	0:	25375:	1100:	0:	78:	28598:	78:	78:	78:	0:	55854:
:	: E:	0:	0:	99:	497:	0:	0:	32284:	1400:	0:	99:	36385:	99:	99:	99:	0:	71061:
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: T:	0:	0:	177:	888:	0:	0:	57659:	2500:	0:	177:	64983:	177:	177:	177:	0:	126915:
: HIDDEN	: C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
: ENHANCED	: E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
: FISH	: C:	0:	4763:	0:	54273:	2558:	0:	26709:	8656:	0:	0:	4913:	262:	0:	0:	0:	102134:
:	: E:	0:	2440:	0:	35764:	2300:	0:	13685:	5960:	0:	0:	3253:	133:	0:	0:	0:	63535:
:	: O:	0:	334:	0:	4891:	315:	0:	1872:	815:	0:	0:	445:	18:	0:	0:	0:	8690:
:	: T:	0:	7537:	0:	94928:	5173:	0:	42266:	15431:	0:	0:	8611:	413:	0:	0:	0:	174359:
: UNALLO	: C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
: OTHER	: C:	355:	649:	1656:	11168:	452:	0:	58047:	10584:	26:	235:	57952:	22:	298:	4815:	0:	146259:
:	: E:	1334:	1056:	1916:	28522:	2461:	0:	94504:	29550:	744:	2298:	149434:	36:	759:	15:	0:	312629:
:	: O:	3:	7:	16:	314:	4:	0:	1380:	780:	0:	30:	2809:	0:	3:	5:	0:	5351:
:	: T:	1692:	1712:	3588:	40004:	2917:	0:	153931:	40914:	770:	2563:	210195:	58:	1060:	4835:	0:	464239:
: SUMMARY	: C:	2468:	6333:	15284:	294383:	3648:	0:	1292058:	730409:	209:	28275:	2630006:	362:	2370:	4893:	0:	5010698:
:	: E:	9920:	7506:	14324:	194266:	16999:	0:	621105:	204814:	5050:	15678:	1019290:	268:	5164:	114:	0:	2114498:
:	: O:	395:	1024:	457:	36154:	3013:	0:	141943:	36767:	1018:	3044:	198643:	18:	1021:	5:	0:	423502:
:	: T:	12783:	14863:	30065:	524803:	23660:	0:	2055106:	971990:	6277:	46997:	3847939:	648:	8555:	5012:	0:	7548698:

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1990

		AGE CLASS																
		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL	
:	SUSITNA	:C:	3890:	83:	18816:	66333:	9:	0:	327168:	22182:	0:	2242:	58034:	557:	247:	0:	0:	499560:
:		:E:	1190:	679:	4405:	87786:	112:	0:	130929:	22711:	0:	1330:	20392:	382:	98:	0:	0:	270014:
:		:O:	10:	8:	44:	1228:	1:	0:	1772:	277:	0:	13:	260:	4:	1:	0:	0:	3618:
:		:T:	5090:	770:	23265:	155347:	122:	0:	459869:	45170:	0:	3585:	78686:	943:	346:	0:	0:	773192:
:	KENAI	:C:	0:	275:	9747:	104248:	395:	0:	1121445:	138805:	0:	13284:	674782:	3919:	8397:	0:	0:	2075296:
:		:E:	0:	3294:	1508:	67125:	830:	0:	227776:	26660:	0:	3350:	107377:	1284:	1396:	0:	0:	440600:
:		:O:	0:	733:	336:	18411:	1286:	0:	53606:	57987:	0:	746:	36659:	286:	311:	0:	0:	170361:
:		:T:	0:	4302:	11591:	189784:	2511:	0:	1402827:	223452:	0:	17380:	818818:	5489:	10104:	0:	0:	2686257:
:	KASILOF	:C:	0:	42:	482:	60942:	0:	0:	125086:	82669:	0:	1282:	88007:	759:	0:	0:	0:	359269:
:		:E:	0:	548:	82:	45093:	0:	0:	28303:	45463:	0:	356:	16941:	274:	0:	0:	0:	137060:
:		:O:	0:	60:	9:	4910:	0:	0:	3082:	4951:	0:	39:	1845:	30:	0:	0:	0:	14926:
:		:T:	0:	650:	573:	110945:	0:	0:	156471:	133083:	0:	1677:	106793:	1063:	0:	0:	0:	511255:
:	CRESENT	:C:	0:	0:	0:	771:	0:	0:	8710:	1736:	0:	96:	10318:	0:	63:	33:	0:	21727:
:		:E:	0:	0:	178:	2121:	89:	0:	26871:	1766:	0:	178:	20947:	0:	89:	0:	0:	52239:
:		:O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
:		:T:	0:	0:	178:	2892:	89:	0:	35581:	3502:	0:	274:	31265:	0:	152:	33:	0:	73966:
:	HIDDEN	:C:	0:	0:	0:	75124:	0:	0:	5713:	14104:	0:	0:	0:	0:	0:	0:	0:	94941:
:	ENHANCED	:E:	0:	0:	0:	52974:	0:	0:	1232:	7392:	0:	0:	0:	0:	0:	0:	0:	61598:
:		:O:	0:	0:	0:	9998:	0:	0:	233:	1395:	0:	0:	0:	0:	0:	0:	0:	11626:
:		:T:	0:	0:	0:	138096:	0:	0:	7178:	22891:	0:	0:	0:	0:	0:	0:	0:	168165:
:	FISH	:C:	0:	233:	0:	31283:	209:	0:	68724:	24882:	54:	0:	14650:	0:	0:	0:	0:	140035:
:		:E:	0:	324:	0:	17272:	324:	0:	14248:	11331:	107:	0:	2700:	0:	0:	0:	0:	46306:
:		:O:	0:	62:	0:	3324:	62:	0:	2742:	2181:	20:	0:	520:	0:	0:	0:	0:	8911:
:		:T:	0:	619:	0:	51879:	595:	0:	85714:	38394:	181:	0:	17870:	0:	0:	0:	0:	195252:
:	UNALLO	:C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	197:
:		:E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:		:O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:		:T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	197:
:	OTHER	:C:	1203:	0:	12036:	11773:	0:	1179:	238944:	11851:	0:	1298:	131999:	306:	935:	1710:	0:	413234:
:		:E:	371:	0:	2845:	15799:	0:	88:	96917:	12282:	0:	778:	46974:	212:	371:	88:	0:	176725:
:		:O:	6:	1:	48:	406:	1:	1:	2197:	343:	0:	21:	1133:	6:	11:	2:	0:	4176:
:		:T:	1580:	1:	14929:	27978:	1:	1268:	338058:	24476:	0:	2097:	180106:	524:	1317:	1800:	0:	594135:
:	SUMMARY	:C:	5093:	633:	41081:	350474:	613:	1179:	1895790:	296229:	54:	18202:	977790:	5541:	9642:	1743:	197:	3604259:
:		:E:	1561:	4845:	9018:	288170:	1355:	88:	526276:	127605:	107:	5992:	215331:	2152:	1954:	88:	0:	1184542:
:		:O:	16:	864:	437:	38277:	1350:	1:	63632:	67134:	20:	819:	40417:	326:	323:	2:	0:	213618:
:		:T:	6670:	6342:	50536:	676921:	3318:	1268:	2485698:	490968:	181:	25013:	1233538:	8019:	11919:	1833:	197:	5002419:

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

PAPER COOK INLET SOCKEYE TOTAL RUN - 1991

		AGE CLASS																
		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL	
: SYSTEM	: C:	147:	7:	15182:	21101:	190:	144:	185879:	11292:	0:	166:	34279:	0:	0:	0:	0:	268386:	
:	: E:	2279:	191:	12070:	48590:	202:	76:	116227:	11636:	0:	65:	17884:	0:	65:	0:	0:	209285:	
:	: O:	46:	5:	252:	1276:	5:	2:	3303:	290:	0:	1:	445:	0:	1:	0:	0:	5626:	
:	: T:	2472:	203:	27504:	70967:	397:	222:	305409:	23218:	0:	232:	52608:	0:	66:	0:	0:	483297:	
: KENAI	: C:	187:	80:	20010:	244034:	240:	1029:	506228:	68107:	0:	3096:	244629:	0:	222:	0:	0:	1087862:	
:	: E:	104:	384:	11127:	148075:	1859:	466:	152005:	11119:	0:	776:	51724:	362:	207:	0:	0:	378208:	
:	: O:	36:	384:	3894:	76937:	1215:	163:	61015:	24934:	0:	272:	28129:	127:	72:	0:	0:	197178:	
:	: T:	327:	848:	35031:	469046:	3314:	1658:	719248:	104160:	0:	4144:	324482:	489:	501:	0:	0:	1663248:	
: KASILOF	: C:	135:	0:	436:	67015:	12:	0:	195053:	129863:	0:	669:	44604:	0:	0:	0:	0:	437787:	
:	: E:	91:	0:	297:	71947:	137:	0:	76190:	66039:	0:	205:	13208:	0:	0:	0:	0:	228114:	
:	: O:	9:	0:	30:	7366:	14:	0:	7800:	6761:	0:	21:	1352:	0:	0:	0:	0:	23353:	
:	: T:	235:	0:	763:	146328:	163:	0:	279043:	202663:	0:	895:	59164:	0:	0:	0:	0:	689254:	
: CRESENT	: C:	0:	0:	0:	1008:	0:	0:	8195:	2485:	0:	134:	5373:	0:	0:	0:	0:	17195:	
:	: E:	0:	0:	250:	6620:	0:	0:	22472:	7494:	0:	125:	7369:	125:	125:	0:	0:	44580:	
:	: O:	0:	0:	1:	37:	0:	0:	125:	42:	0:	1:	41:	1:	1:	0:	0:	249:	
:	: T:	0:	0:	251:	7665:	0:	0:	30792:	10021:	0:	260:	12783:	126:	126:	0:	0:	62024:	
: HIDDEN	: C:	0:	0:	0:	40728:	0:	0:	6629:	2306:	0:	0:	0:	0:	0:	0:	0:	49662:	
: ENHANCED	: E:	0:	0:	0:	27733:	0:	0:	2157:	924:	0:	0:	0:	0:	0:	0:	0:	30814:	
:	: O:	0:	0:	0:	86128:	0:	0:	5804:	2557:	0:	0:	0:	0:	0:	0:	0:	94489:	
:	: T:	0:	0:	0:	154589:	0:	0:	14590:	5787:	0:	0:	0:	0:	0:	0:	0:	174965:	
: FISH	: C:	0:	856:	0:	36644:	0:	0:	16029:	3995:	0:	0:	2906:	0:	0:	0:	0:	60430:	
:	: E:	0:	3720:	0:	44793:	0:	0:	6344:	2484:	0:	0:	968:	0:	0:	0:	0:	58309:	
:	: O:	0:	1166:	0:	14043:	0:	0:	1989:	779:	0:	0:	303:	0:	0:	0:	0:	18280:	
:	: T:	0:	5742:	0:	95480:	0:	0:	24362:	7258:	0:	0:	4177:	0:	0:	0:	0:	137019:	
: UNALLO	: C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	185:	0:	99:	0:	284:
:	: E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	185:	0:	99:	0:	284:
: OTHER	: C:	0:	0:	5539:	10641:	17:	437:	158754:	10614:	0:	1545:	68468:	0:	0:	0:	710:	256725:	
:	: E:	0:	0:	4495:	25147:	18:	235:	102086:	11211:	0:	614:	36610:	0:	0:	0:	108:	180524:	
:	: O:	1:	2:	76:	2010:	13:	3:	3232:	660:	0:	11:	1673:	0:	0:	0:	1:	7682:	
:	: T:	1:	2:	10110:	37798:	48:	675:	264072:	22485:	0:	2170:	106751:	0:	0:	0:	819:	444931:	
: SUMMARY	: C:	469:	943:	41167:	421171:	459:	1610:	1076767:	228662:	0:	5610:	400259:	185:	222:	99:	710:	2178331:	
:	: E:	2474:	4295:	28239:	372905:	2216:	777:	477481:	110907:	0:	1785:	127763:	487:	397:	0:	108:	1129834:	
:	: O:	92:	1557:	4253:	187797:	1247:	168:	83268:	36023:	0:	306:	31943:	128:	74:	0:	1:	346857:	
:	: T:	3035:	6795:	73659:	981873:	3922:	2555:	1637516:	375592:	0:	7701:	559965:	800:	693:	99:	819:	3655022:	

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1992

		AGE CLASS																
		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL	
:	SUSITNA	:C:	613:	1568:	12527:	36178:	85:	0:	204571:	33857:	0:	162:	66800:	18:	1902:	241:	0:	358523:
:		:E:	1117:	685:	489:	34246:	281:	0:	41268:	26331:	0:	46:	19654:	261:	112:	65:	0:	124555:
:		:O:	46:	30:	22:	1979:	11:	0:	2649:	1739:	0:	2:	1131:	10:	7:	6:	0:	7632:
:		:T:	1776:	2283:	13038:	72403:	377:	0:	248488:	61927:	0:	210:	87585:	289:	2021:	312:	0:	490710:
:	KENAI	:C:	2651:	0:	0:	27040:	3252:	0:	5847737:	193575:	0:	7983:	581132:	0:	0:	0:	0:	6663370:
:		:E:	560:	0:	0:	5150:	1676:	0:	635390:	26299:	0:	1760:	82632:	0:	0:	0:	0:	753467:
:		:O:	197:	0:	0:	3226:	1029:	0:	225995:	35779:	0:	621:	36178:	0:	0:	0:	0:	303025:
:		:T:	3408:	0:	0:	35416:	5957:	0:	6709122:	255653:	0:	10364:	699942:	0:	0:	0:	0:	7719862:
:	KASILOF	:C:	0:	0:	0:	135280:	454:	0:	370265:	218773:	0:	0:	155109:	0:	0:	0:	0:	879881:
:		:E:	0:	0:	0:	37277:	336:	0:	48519:	62411:	0:	0:	28210:	0:	0:	0:	0:	176753:
:		:O:	0:	0:	0:	4627:	42:	0:	6022:	7747:	0:	0:	3501:	0:	0:	0:	0:	21939:
:		:T:	0:	0:	0:	177184:	832:	0:	424806:	288931:	0:	0:	186820:	0:	0:	0:	0:	1078573:
:	CRESENT	:C:	0:	27:	14:	3693:	27:	0:	12125:	2676:	0:	0:	8631:	0:	0:	0:	0:	27193:
:		:E:	0:	0:	0:	1502:	0:	0:	12607:	7203:	0:	0:	36020:	600:	0:	297:	0:	58229:
:		:O:	0:	0:	0:	11:	0:	0:	90:	52:	0:	0:	258:	4:	0:	2:	0:	417:
:		:T:	0:	27:	14:	5206:	27:	0:	24822:	9931:	0:	0:	44909:	604:	0:	299:	0:	85839:
:	HIDDEN	:C:	0:	0:	0:	68325:	0:	0:	21554:	3812:	0:	0:	0:	0:	0:	0:	0:	93691:
:	ENHANCED	:E:	0:	0:	0:	15455:	0:	0:	2450:	942:	0:	0:	0:	0:	0:	0:	0:	18847:
:		:O:	0:	0:	0:	6716:	0:	0:	884:	342:	0:	0:	0:	0:	0:	0:	0:	7942:
:		:T:	0:	0:	0:	90496:	0:	0:	24888:	5096:	0:	0:	0:	0:	0:	0:	0:	120480:
:	FISH	:C:	0:	522:	0:	89961:	181:	0:	25557:	25295:	0:	0:	2332:	37:	0:	0:	0:	143886:
:		:E:	0:	149:	0:	53605:	305:	0:	3515:	12677:	0:	0:	461:	149:	0:	0:	0:	70861:
:		:O:	0:	53:	0:	19256:	109:	0:	1263:	4554:	0:	0:	165:	53:	0:	0:	0:	25453:
:		:T:	0:	724:	0:	162822:	595:	0:	30335:	42526:	0:	0:	2958:	239:	0:	0:	0:	240200:
:	UNALLO	:C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:		:E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:		:O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:		:T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	OTHER	:C:	11:	0:	16908:	5925:	0:	0:	842676:	8925:	0:	811:	65863:	0:	690:	0:	0:	941809:
:		:E:	22:	0:	690:	5932:	0:	0:	180906:	7399:	0:	237:	20494:	0:	43:	0:	0:	215723:
:		:O:	1:	1:	13:	764:	0:	0:	5199:	2160:	0:	19:	1282:	0:	1:	0:	0:	9440:
:		:T:	34:	1:	17611:	12621:	0:	0:	1028781:	18484:	0:	1067:	87639:	0:	734:	0:	0:	1166972:
:	SUMMARY	:C:	3275:	2117:	29449:	366402:	3999:	0:	7324485:	486913:	0:	8956:	879867:	55:	2592:	241:	0:	9108353:
:		:E:	1699:	834:	1179:	153167:	2598:	0:	924655:	143262:	0:	2043:	187471:	1010:	155:	362:	0:	1418435:
:		:O:	244:	84:	35:	36579:	1191:	0:	242102:	52373:	0:	642:	42515:	67:	8:	8:	0:	375848:
:		:T:	5218:	3035:	30663:	556148:	7788:	0:	8491242:	682548:	0:	11641:	1109853:	1132:	2755:	611:	0:	10902636:

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1993

		AGE CLASS															
		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL
: SYSTEM	: C:	908:	23:	26988:	60907:	154:	0:	200493:	44511:	0:	0:	90915:	0:	1535:	0:	0:	426434:
	: E:	2736:	190:	12460:	86919:	975:	0:	96263:	31582:	0:	0:	39356:	0:	379:	0:	0:	270860:
	: O:	56:	4:	253:	1765:	20:	0:	1955:	641:	0:	0:	799:	0:	8:	0:	0:	5501:
	: T:	3700:	217:	39701:	149591:	1149:	0:	298711:	76734:	0:	0:	131070:	0:	1922:	0:	0:	702795:
: KENAI	: C:	526:	0:	12830:	176157:	3053:	0:	1043865:	184073:	0:	73238:	1534760:	516:	7586:	0:	0:	3036604:
	: E:	352:	2042:	2042:	78080:	42721:	0:	210953:	32626:	352:	18519:	282520:	352:	282:	0:	0:	670841:
	: O:	86:	497:	497:	23386:	12167:	0:	55528:	22834:	86:	4504:	78059:	86:	68:	0:	0:	197798:
	: T:	964:	2539:	15369:	277623:	57941:	0:	1310346:	239533:	438:	96261:	1895339:	954:	7936:	0:	0:	3905243:
: KASILOF	: C:	0:	0:	0:	45140:	31:	0:	186133:	148437:	0:	0:	171337:	0:	0:	0:	0:	551078:
	: E:	0:	491:	0:	22849:	491:	0:	41757:	39302:	0:	0:	35375:	0:	0:	0:	0:	140265:
	: O:	0:	68:	0:	3152:	68:	0:	5760:	5421:	0:	0:	4880:	0:	0:	0:	0:	19349:
	: T:	0:	559:	0:	71141:	590:	0:	233650:	193160:	0:	0:	211592:	0:	0:	0:	0:	710692:
: CRESENT	: C:	0:	0:	0:	4506:	0:	0:	8598:	7011:	0:	0:	3802:	12:	0:	0:	0:	23930:
	: E:	0:	83:	0:	3312:	323:	0:	13971:	2178:	0:	0:	17606:	0:	83:	0:	0:	37556:
	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	: T:	0:	83:	0:	7818:	323:	0:	22569:	9189:	0:	0:	21408:	12:	83:	0:	0:	61486:
: HIDDEN	: C:	0:	0:	0:	9410:	0:	0:	2369:	2458:	0:	0:	0:	0:	0:	0:	0:	14237:
: ENHANCED	: E:	0:	0:	0:	4507:	0:	0:	507:	620:	0:	0:	0:	0:	0:	0:	0:	5634:
	: O:	0:	0:	0:	1779:	0:	0:	195:	240:	0:	0:	0:	0:	0:	0:	0:	2214:
	: T:	0:	0:	0:	15696:	0:	0:	3071:	3318:	0:	0:	0:	0:	0:	0:	0:	22085:
: FISH	: C:	0:	540:	0:	105353:	397:	0:	113152:	47210:	0:	0:	20492:	0:	0:	0:	0:	287144:
	: E:	0:	873:	0:	65249:	582:	0:	28375:	16673:	0:	0:	4681:	0:	0:	0:	0:	116433:
	: O:	0:	289:	0:	21563:	192:	0:	9377:	5510:	0:	0:	1547:	0:	0:	0:	0:	38478:
	: T:	0:	1702:	0:	192165:	1171:	0:	150904:	69393:	0:	0:	26720:	0:	0:	0:	0:	442055:
: UNALLO	: C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	: E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	: T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
: OTHER	: C:	20:	0:	5464:	10548:	3:	0:	162318:	24136:	0:	5772:	204812:	103:	1328:	1081:	0:	415585:
	: E:	63:	0:	2574:	15359:	21:	0:	79517:	17473:	0:	3411:	90461:	21:	335:	21:	0:	209256:
	: O:	0:	0:	0:	80:	9:	0:	540:	805:	0:	0:	1840:	0:	0:	0:	0:	3274:
	: T:	83:	0:	8038:	25987:	33:	0:	242375:	42414:	0:	9183:	297113:	124:	1663:	1102:	0:	628115:
: SUMMARY	: C:	1454:	563:	45282:	412021:	3638:	0:	1716928:	457836:	0:	79010:	2026118:	631:	10449:	1081:	0:	4755012:
	: E:	3151:	3679:	17076:	276275:	45113:	0:	471343:	140454:	352:	21930:	469999:	373:	1079:	21:	0:	1450845:
	: O:	142:	858:	750:	51725:	12456:	0:	73355:	35451:	86:	4504:	87125:	86:	76:	0:	0:	266614:
	: T:	4747:	5100:	63108:	740021:	61207:	0:	2261626:	633741:	438:	105444:	2583242:	1090:	11604:	1102:	0:	6472471:

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1994

		AGE CLASS															
		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL
: SYSTEM	: C:	797:	20:	15091:	35015:	0:	337:	162463:	15898:	0:	239:	76746:	0:	0:	0:	0:	306607:
	: E:	3089:	1544:	9609:	56945:	0:	760:	105825:	23852:	0:	392:	43119:	0:	0:	0:	0:	245135:
	: O:	117:	58:	363:	2149:	0:	29:	3994:	900:	0:	15:	1627:	0:	0:	0:	0:	9252:
	: T:	4003:	1622:	25063:	94109:	0:	1126:	272282:	40650:	0:	646:	121492:	0:	0:	0:	0:	560994:
: KENAI	: C:	578:	0:	4886:	112505:	1986:	0:	1535565:	281868:	396:	10984:	377963:	685:	9830:	0:	0:	2337246:
	: E:	647:	2775:	647:	58593:	7470:	0:	563313:	141030:	647:	6937:	109577:	1387:	2775:	0:	0:	895798:
	: O:	89:	381:	89:	8912:	1156:	0:	78447:	45467:	89:	953:	17499:	191:	381:	0:	0:	153654:
	: T:	1314:	3156:	5622:	180010:	10612:	0:	2177325:	468365:	1132:	18874:	505039:	2263:	12986:	0:	0:	3386698:
: KASILOF	: C:	0:	0:	0:	94254:	0:	0:	145204:	91298:	0:	0:	108298:	0:	0:	0:	0:	439055:
	: E:	0:	0:	0:	50376:	0:	0:	54056:	53808:	0:	0:	32434:	0:	0:	0:	0:	190674:
	: O:	0:	0:	0:	6178:	0:	0:	6629:	6599:	0:	0:	3978:	0:	0:	0:	0:	23384:
	: T:	0:	0:	0:	150808:	0:	0:	205889:	151705:	0:	0:	144710:	0:	0:	0:	0:	653113:
: CRESENT	: C:	24:	0:	0:	864:	47:	0:	6504:	1608:	0:	47:	4007:	0:	24:	0:	0:	13124:
	: E:	55:	0:	0:	1997:	109:	0:	15044:	3718:	0:	109:	9267:	0:	55:	0:	0:	30354:
	: O:	1:	0:	0:	30:	2:	0:	226:	56:	0:	2:	139:	0:	1:	0:	0:	457:
	: T:	80:	0:	0:	2891:	158:	0:	21774:	5382:	0:	158:	13413:	0:	80:	0:	0:	43935:
: HIDDEN	: C:	0:	0:	0:	2505:	0:	0:	1850:	339:	0:	0:	0:	0:	0:	0:	0:	4694:
: ENHANCED	: E:	0:	0:	0:	1353:	0:	0:	699:	203:	0:	0:	0:	0:	0:	0:	0:	2255:
	: O:	0:	0:	0:	841:	0:	0:	431:	125:	0:	0:	0:	0:	0:	0:	0:	1397:
	: T:	0:	0:	0:	4699:	0:	0:	2980:	667:	0:	0:	0:	0:	0:	0:	0:	8346:
: FISH	: C:	0:	466:	0:	42356:	372:	0:	29789:	18891:	0:	0:	12747:	0:	0:	0:	0:	104622:
	: E:	0:	4820:	0:	48464:	1342:	0:	14441:	20083:	0:	0:	5359:	0:	0:	0:	0:	94509:
	: O:	0:	1227:	0:	12336:	342:	0:	3676:	5112:	0:	0:	1364:	0:	0:	0:	0:	24057:
	: T:	0:	6513:	0:	103156:	2056:	0:	47906:	44086:	0:	0:	19470:	0:	0:	0:	0:	223188:
: UNALLO	: C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	433:
	: E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	: T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	433:
: OTHER	: C:	18:	0:	2445:	7488:	4:	0:	228571:	11169:	0:	237:	85805:	38:	1492:	0:	0:	337266:
	: E:	71:	0:	1615:	12638:	24:	0:	154505:	17389:	0:	404:	50029:	24:	855:	0:	0:	237554:
	: O:	2:	1:	29:	5338:	731:	0:	3232:	14142:	1:	15:	7302:	1:	17:	3:	0:	30814:
	: T:	91:	1:	4089:	25464:	759:	0:	386308:	42700:	1:	656:	143136:	63:	2364:	3:	0:	605634:
: SUMMARY	: C:	1417:	486:	22422:	294987:	2409:	337:	2109946:	421071:	396:	11507:	665566:	723:	11346:	433:	0:	3543047:
	: E:	3862:	9139:	11871:	230366:	8945:	760:	907883:	260083:	647:	7842:	249785:	1411:	3685:	0:	0:	1696279:
	: O:	209:	1667:	481:	35784:	2231:	29:	96635:	72401:	90:	985:	31909:	192:	399:	3:	0:	243015:
	: T:	5488:	11292:	34774:	561137:	13585:	1126:	3114464:	753555:	1133:	20334:	947260:	2326:	15430:	436:	0:	5482341:

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1995

		AGE CLASS																
		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL	
:	SYSTEM	:C:	898:	17:	14208:	38727:	72:	0:	222025:	22186:	0:	2159:	48971:	960:	0:	0:	350223:	
:		:E:	5077:	1846:	11770:	45464:	462:	0:	118392:	19617:	0:	923:	26771:	462:	0:	0:	230784:	
:		:O:	213:	78:	495:	1911:	19:	0:	4977:	825:	0:	39:	1125:	19:	0:	0:	9701:	
:		:T:	6188:	1941:	26473:	86102:	553:	0:	345394:	42628:	0:	3121:	76867:	1441:	0:	0:	590708:	
:	KENAI	:C:	0:	19:	6557:	327298:	489:	0:	506496:	102133:	0:	13392:	627477:	0:	1956:	0:	0:	1585815:
:		:E:	0:	1496:	2243:	166878:	12250:	0:	139958:	30022:	0:	2243:	160987:	0:	1496:	0:	0:	517573:
:		:O:	0:	500:	750:	56314:	4783:	0:	47497:	15423:	0:	750:	62226:	0:	500:	0:	0:	188743:
:		:T:	0:	2015:	9550:	550490:	17522:	0:	693951:	147578:	0:	16385:	850690:	0:	3952:	0:	0:	2292131:
:	KASILOF	:C:	0:	4:	0:	153617:	0:	0:	99822:	134183:	0:	0:	102716:	0:	0:	0:	0:	490341:
:		:E:	0:	325:	0:	84036:	0:	0:	29637:	47898:	0:	0:	29312:	0:	0:	0:	0:	191208:
:		:O:	0:	80:	0:	20719:	0:	0:	7307:	11809:	0:	0:	7227:	0:	0:	0:	0:	47142:
:		:T:	0:	409:	0:	258372:	0:	0:	136766:	193890:	0:	0:	139255:	0:	0:	0:	0:	728691:
:	CRESENT	:C:	0:	72:	0:	1791:	37:	0:	3580:	1826:	0:	107:	11997:	0:	35:	0:	0:	19444:
:		:E:	0:	194:	0:	4818:	99:	0:	9630:	4912:	0:	288:	32276:	0:	0:	94:	0:	52311:
:		:O:	0:	1:	0:	21:	0:	0:	42:	22:	0:	1:	142:	0:	0:	0:	0:	229:
:		:T:	0:	267:	0:	6630:	136:	0:	13252:	6760:	0:	396:	44415:	0:	0:	129:	0:	71984:
:	HIDDEN	:C:	0:	0:	0:	5882:	0:	0:	2064:	3577:	0:	0:	0:	0:	0:	0:	0:	11523:
:	ENHANCED	:E:	0:	0:	0:	3115:	0:	0:	593:	1236:	0:	0:	0:	0:	0:	0:	0:	4944:
:		:O:	0:	0:	0:	1771:	0:	0:	337:	703:	0:	0:	0:	0:	0:	0:	0:	2811:
:		:T:	0:	0:	0:	10768:	0:	0:	2994:	5516:	0:	0:	0:	0:	0:	0:	0:	19278:
:	FISH	:C:	0:	1424:	0:	75103:	434:	0:	61056:	20644:	0:	0:	28339:	831:	0:	668:	0:	188499:
:		:E:	0:	7828:	0:	58244:	1156:	0:	23176:	12464:	0:	0:	11010:	286:	0:	286:	0:	114450:
:		:O:	0:	1382:	0:	10280:	204:	0:	4091:	2200:	0:	0:	1943:	51:	0:	51:	0:	20202:
:		:T:	0:	10634:	0:	143627:	1794:	0:	88323:	35308:	0:	0:	41292:	1168:	0:	1005:	0:	323151:
:	UNALLO	:C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:		:E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:		:O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:		:T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	OTHER	:C:	10:	1:	1800:	29886:	55:	0:	128259:	35430:	0:	2477:	116354:	300:	42:	187:	0:	314801:
:		:E:	49:	0:	1458:	33998:	24:	0:	66865:	16435:	0:	1076:	58473:	139:	91:	48:	0:	178656:
:		:O:	7:	77:	95:	2563:	344:	0:	4402:	16209:	0:	28:	7808:	11:	2:	70:	0:	31616:
:		:T:	66:	78:	3353:	66447:	423:	0:	199526:	68074:	0:	3581:	182635:	450:	135:	305:	0:	525073:
:	SUMMARY	:C:	908:	1537:	22565:	632304:	1087:	0:	1023302:	319979:	0:	18135:	935854:	2091:	1998:	890:	0:	2960646:
:		:E:	5126:	11689:	15471:	396553:	13991:	0:	388251:	132584:	0:	4530:	318829:	887:	1587:	428:	0:	1289926:
:		:O:	220:	2118:	1340:	93579:	5350:	0:	68653:	47191:	0:	818:	80471:	81:	502:	121:	0:	300444:
:		:T:	6254:	15344:	39376:	1122436:	20428:	0:	1480206:	499754:	0:	23483:	1335154:	3059:	4087:	1439:	0:	4551016:

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1996

		AGE CLASS														
		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4 : TOTAL
: SYSTEM	: C:	2513:	93:	6785:	38185:	191:	0:	125282:	17242:	0:	0:	59124:	0:	0:	0:	249415:
:	: E:	5582:	745:	5582:	44271:	745:	0:	75870:	16363:	0:	0:	24181:	0:	0:	0:	173339:
:	: O:	113:	15:	113:	898:	15:	0:	1539:	332:	0:	0:	490:	0:	0:	0:	3515:
:	: T:	8208:	853:	12480:	83354:	951:	0:	202691:	33937:	0:	0:	83795:	0:	0:	0:	426269:
: KENAI	: C:	0:	0:	5475:	93026:	1447:	0:	1816651:	136905:	0:	7283:	212684:	551:	9360:	0:	0: 2283382:
:	: E:	0:	0:	1887:	31232:	204:	0:	486464:	27259:	789:	1887:	31189:	549:	3774:	0:	0: 585234:
:	: O:	0:	0:	844:	17435:	6671:	0:	219450:	24147:	624:	844:	19756:	863:	1687:	0:	0: 292321:
:	: T:	0:	0:	8206:	141693:	8322:	0:	2522565:	188311:	1413:	10014:	263629:	1963:	14821:	0:	0: 3160937:
: KASILOF	: C:	0:	0:	0:	129346:	0:	0:	338534:	155026:	0:	0:	63030:	0:	0:	0:	685936:
:	: E:	0:	0:	0:	59008:	0:	0:	114712:	50761:	0:	0:	13166:	0:	0:	0:	237647:
:	: O:	0:	0:	0:	8660:	0:	0:	16836:	7450:	0:	0:	1932:	0:	0:	0:	34878:
:	: T:	0:	0:	0:	197014:	0:	0:	470082:	213237:	0:	0:	78128:	0:	0:	0:	958461:
: CRESENT	: C:	0:	0:	0:	3686:	0:	0:	6140:	5774:	0:	0:	8414:	0:	123:	0:	0: 24137:
:	: E:	0:	0:	0:	4387:	0:	0:	7309:	6872:	0:	0:	10015:	0:	147:	0:	0: 28730:
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: T:	0:	0:	0:	8073:	0:	0:	13449:	12646:	0:	0:	18429:	0:	270:	0:	0: 52867:
: HIDDEN	: C:	0:	0:	0:	101736:	0:	0:	11552:	17077:	0:	0:	0:	0:	0:	0:	130365:
: ENHANCED	: E:	0:	0:	0:	38911:	0:	0:	3282:	4688:	0:	0:	0:	0:	0:	0:	46881:
:	: O:	0:	0:	0:	15496:	0:	0:	1307:	1867:	0:	0:	0:	0:	0:	0:	18670:
:	: T:	0:	0:	0:	156143:	0:	0:	16141:	23632:	0:	0:	0:	0:	0:	0:	195916:
: FISH	: C:	0:	249:	0:	95883:	163:	0:	21169:	26608:	0:	736:	7227:	178:	0:	0:	0: 152213:
:	: E:	0:	315:	0:	44442:	158:	0:	5849:	10593:	0:	158:	1420:	158:	0:	0:	0: 63093:
:	: O:	0:	87:	0:	12206:	43:	0:	1606:	2909:	0:	43:	390:	43:	0:	0:	0: 17327:
:	: T:	0:	651:	0:	152531:	364:	0:	28624:	40110:	0:	937:	9037:	379:	0:	0:	0: 232633:
: UNALLO	: C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
: OTHER	: C:	88:	12:	876:	18244:	140:	0:	223755:	40199:	0:	1035:	78446:	12:	486:	37:	0: 363330:
:	: E:	192:	0:	679:	17935:	49:	0:	132021:	13534:	0:	446:	22525:	28:	484:	0:	0: 187893:
:	: O:	7:	96:	56:	3646:	507:	0:	6232:	25391:	0:	31:	10209:	12:	12:	96:	0: 46295:
:	: T:	287:	108:	1611:	39825:	696:	0:	362008:	79124:	0:	1512:	111180:	52:	982:	133:	0: 597518:
: SUMMARY	: C:	2601:	354:	13136:	480106:	1941:	0:	2543083:	398831:	0:	9054:	428925:	741:	9969:	37:	0: 3888778:
:	: E:	5774:	1060:	8148:	240186:	1156:	0:	825507:	130070:	789:	2491:	102496:	735:	4405:	0:	0: 1322817:
:	: O:	120:	198:	1013:	58341:	7236:	0:	246970:	62096:	624:	918:	32777:	918:	1699:	96:	0: 413006:
:	: T:	8495:	1612:	22297:	778633:	10333:	0:	3615560:	590997:	1413:	12463:	564198:	2394:	16073:	133:	0: 5624601:

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1997

		AGE CLASS															
		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL
: SYSTEM	: C:	618:	0:	35260:	56878:	47:	0:	169902:	12475:	0:	437:	33094:	0:	0:	1236:	0:	309947:
:	: E:	3200:	389:	31457:	96764:	389:	0:	130614:	13935:	0:	389:	21500:	0:	0:	389:	0:	299026:
:	: O:	94:	11:	929:	2857:	11:	0:	3857:	411:	0:	11:	635:	0:	0:	11:	0:	8827:
:	: T:	3912:	400:	67646:	156499:	447:	0:	304373:	26821:	0:	837:	55229:	0:	0:	1636:	0:	617800:
: KENAI	: C:	0:	129:	9243:	83709:	197:	0:	2073922:	74955:	0:	10503:	444309:	1295:	1734:	0:	0:	2699996:
:	: E:	0:	931:	2885:	39304:	1528:	0:	692237:	18063:	0:	3908:	117850:	548:	931:	0:	0:	878185:
:	: O:	0:	294:	911:	14409:	3615:	0:	219302:	13683:	0:	1234:	41086:	676:	294:	0:	0:	295504:
:	: T:	0:	1354:	13039:	137422:	5340:	0:	2985461:	106701:	0:	15645:	603245:	2519:	2959:	0:	0:	3873685:
: KASILOF	: C:	0:	0:	0:	97661:	0:	0:	369715:	94340:	0:	0:	88712:	0:	0:	0:	0:	650428:
:	: E:	0:	0:	0:	54190:	0:	0:	140520:	34552:	0:	0:	27442:	0:	0:	0:	0:	256704:
:	: O:	0:	0:	0:	8476:	0:	0:	21979:	5404:	0:	0:	4292:	0:	0:	0:	0:	40151:
:	: T:	0:	0:	0:	160327:	0:	0:	532214:	134296:	0:	0:	120446:	0:	0:	0:	0:	947283:
: CRESENT	: C:	0:	0:	0:	1265:	19:	0:	6661:	763:	0:	0:	3163:	0:	19:	0:	0:	11890:
:	: E:	0:	0:	0:	7516:	113:	0:	39588:	4642:	0:	0:	18796:	0:	113:	0:	0:	70768:
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: T:	0:	0:	0:	8781:	132:	0:	46249:	5405:	0:	0:	21959:	0:	132:	0:	0:	82658:
: HIDDEN	: C:	0:	0:	0:	60937:	0:	0:	20797:	5995:	0:	0:	0:	0:	0:	0:	0:	87729:
: ENHANCED	: E:	0:	0:	0:	30449:	0:	0:	7118:	1977:	0:	0:	0:	0:	0:	0:	0:	39544:
:	: O:	0:	0:	0:	9711:	0:	0:	2270:	631:	0:	0:	0:	0:	0:	0:	0:	12612:
:	: T:	0:	0:	0:	101097:	0:	0:	30185:	8603:	0:	0:	0:	0:	0:	0:	0:	139885:
: FISH	: C:	0:	24:	0:	32744:	0:	0:	29736:	6195:	0:	170:	6448:	0:	0:	0:	0:	75317:
:	: E:	0:	99:	0:	32278:	0:	0:	15227:	4366:	0:	99:	2844:	0:	0:	0:	0:	54913:
:	: O:	0:	6:	0:	1998:	0:	0:	943:	270:	0:	6:	176:	0:	0:	0:	0:	3399:
:	: T:	0:	129:	0:	67020:	0:	0:	45906:	10831:	0:	275:	9468:	0:	0:	0:	0:	133629:
: UNALLO	: C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
: OTHER	: C:	5:	0:	4657:	9952:	0:	0:	240506:	8977:	0:	928:	75393:	47:	133:	791:	0:	341389:
:	: E:	22:	0:	4113:	14161:	0:	0:	185126:	7561:	0:	829:	43091:	0:	130:	233:	0:	255266:
:	: O:	4:	1:	164:	3269:	1:	0:	5227:	2762:	0:	21:	7335:	219:	36:	24:	0:	19063:
:	: T:	31:	1:	8934:	27382:	1:	0:	430859:	19300:	0:	1778:	125819:	266:	299:	1048:	0:	615718:
: SUMMARY	: C:	623:	153:	49160:	343146:	263:	0:	2911239:	203700:	0:	12038:	651119:	1342:	1886:	2027:	0:	4176696:
:	: E:	3222:	1419:	38455:	274662:	2030:	0:	1210430:	85096:	0:	5225:	231523:	548:	1174:	622:	0:	1854406:
:	: O:	98:	312:	2004:	40720:	3627:	0:	253578:	23161:	0:	1272:	53524:	895:	330:	35:	0:	379556:
:	: T:	3943:	1884:	89619:	658528:	5920:	0:	4375247:	311957:	0:	18535:	936166:	2785:	3390:	2684:	0:	6410658:

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1998

		AGE CLASS																			
:SYSTEM	:	0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL	:			
: SUSITNA	:C:	659:	127:	7808:	16363:	0:	0:	79200:	4627:	0:	163:	15820:	0:	0:	0:	0:	0:	0:	124768:		
: :E:		1641:	764:	12883:	35367:	0:	0:	140907:	8994:	0:	607:	23676:	0:	0:	0:	0:	0:	0:	224839:		
: :O:		63:	29:	492:	1351:	0:	0:	5382:	344:	0:	23:	904:	0:	0:	0:	0:	0:	0:	8588:		
: :T:		2363:	920:	21183:	53081:	0:	0:	225489:	13965:	0:	793:	40400:	0:	0:	0:	0:	0:	0:	358195:		
: KENAI	:C:	0:	0:	0:	115333:	244:	0:	314774:	72935:	0:	4743:	125028:	1121:	1295:	1312:	0:	0:	636786:			
: :E:		0:	1846:	0:	129201:	33491:	0:	250764:	50120:	381:	8210:	83863:	439:	891:	715:	0:	0:	559921:			
: :O:		0:	785:	0:	57056:	26096:	0:	108366:	34419:	888:	3490:	41842:	831:	379:	555:	0:	0:	274707:			
: :T:		0:	2631:	0:	301590:	59831:	0:	673904:	157474:	1269:	16443:	250733:	2391:	2565:	2582:	0:	0:	1471414:			
: KASILOF	:C:	325:	0:	0:	82299:	8:	0:	82984:	64346:	0:	478:	29725:	0:	0:	0:	0:	0:	0:	260166:		
: :E:		315:	315:	0:	104089:	1522:	0:	73784:	58171:	0:	918:	23274:	0:	0:	0:	0:	0:	0:	262388:		
: :O:		89:	89:	0:	29573:	432:	0:	20963:	16527:	0:	261:	6612:	0:	0:	0:	0:	0:	0:	74546:		
: :T:		729:	404:	0:	215961:	1962:	0:	177731:	139044:	0:	1657:	59611:	0:	0:	0:	0:	0:	0:	597100:		
: CRESENT	:C:	0:	0:	70:	2641:	24:	0:	3013:	11340:	0:	0:	2600:	155:	0:	32:	0:	0:	19875:			
: :E:		0:	0:	0:	6151:	0:	0:	27729:	6257:	0:	218:	21902:	0:	0:	0:	0:	0:	0:	62257:		
: :O:		0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
: :T:		0:	0:	70:	8792:	24:	0:	30742:	17597:	0:	218:	24502:	155:	0:	32:	0:	0:	82132:			
: HIDDEN	:C:	0:	0:	0:	36227:	0:	0:	8692:	1832:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	46751:	
: ENHANCED	:E:	0:	0:	0:	42647:	0:	0:	7194:	1541:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	51382:	
: :O:		0:	0:	0:	17244:	0:	0:	2991:	715:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	20950:	
: :T:		0:	0:	0:	96118:	0:	0:	18877:	4088:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	119083:	
: FISH	:C:	0:	35:	95:	1013:	103:	0:	14046:	692:	0:	16:	2640:	106:	0:	87:	0:	0:	18834:			
: :E:		0:	91:	91:	1216:	30:	0:	14292:	760:	0:	30:	2311:	61:	0:	61:	0:	0:	18943:			
: :O:		0:	39:	39:	521:	13:	0:	6121:	325:	0:	13:	990:	26:	0:	26:	0:	0:	8113:			
: :T:		0:	165:	225:	2750:	146:	0:	34459:	1777:	0:	59:	5941:	193:	0:	174:	0:	0:	45890:			
: UNALLO	:C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
: :E:		0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
: :O:		0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
: :T:		0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
: OTHER	:C:	90:	0:	1342:	17116:	10:	30:	58590:	10129:	0:	261:	23423:	108:	275:	401:	0:	0:	111776:			
: :E:		207:	0:	1969:	34570:	0:	0:	102011:	18833:	0:	975:	34294:	93:	359:	422:	0:	0:	193733:			
: :O:		20:	3:	227:	3604:	5:	0:	4998:	1535:	0:	28:	1734:	12:	12:	62:	0:	0:	12240:			
: :T:		317:	3:	3538:	55290:	15:	30:	165599:	30497:	0:	1264:	59451:	213:	646:	885:	0:	0:	317749:			
: SUMMARY	:C:	1074:	162:	9315:	270992:	389:	30:	561299:	165901:	0:	5661:	199236:	1490:	1570:	1832:	0:	0:	1218956:			
: :E:		2163:	3016:	14943:	353241:	35043:	0:	616681:	144676:	381:	10958:	189320:	593:	1250:	1198:	0:	0:	1373463:			
: :O:		172:	945:	758:	109349:	26546:	0:	148821:	53865:	888:	3815:	52082:	869:	391:	643:	0:	0:	399144:			
: :T:		3409:	4123:	25016:	733582:	61978:	30:	1326801:	364442:	1269:	20434:	440638:	2952:	3211:	3673:	0:	0:	2991563:			

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 1999

		AGE CLASS																
		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL	:
:	SYSTEM	:C:	1951:	0:	12540:	32668:	0:	0:	108666:	9824:	0:	1917:	23314:	0:	0:	0:	0:	190880:
:		:E:	6592:	0:	6189:	42881:	0:	0:	95266:	15673:	0:	1648:	14849:	0:	0:	0:	0:	183098:
:		:O:	366:	0:	343:	2378:	0:	0:	5283:	869:	0:	91:	823:	0:	0:	0:	0:	10153:
:		:T:	8909:	0:	19072:	77927:	0:	0:	209215:	26366:	0:	3656:	38986:	0:	0:	0:	0:	384131:
:	KENAI	:C:	0:	0:	5791:	153762:	253:	0:	982732:	198410:	0:	7190:	197085:	2464:	2672:	0:	0:	1550359:
:		:E:	0:	0:	1749:	68972:	6158:	0:	356453:	83155:	713:	2656:	56797:	5508:	907:	0:	0:	583068:
:		:O:	0:	0:	952:	38492:	6146:	0:	194413:	82136:	687:	1445:	38733:	3995:	493:	0:	0:	367492:
:		:T:	0:	0:	8492:	261226:	12557:	0:	1533598:	363701:	1400:	11291:	292615:	11967:	4072:	0:	0:	2500919:
:	KASILOF	:C:	0:	0:	0:	153484:	8:	0:	220741:	117037:	0:	1348:	71297:	95:	0:	0:	0:	564010:
:		:E:	0:	0:	0:	89458:	302:	0:	101970:	80382:	0:	633:	28462:	302:	0:	0:	0:	301509:
:		:O:	0:	0:	0:	19160:	65:	0:	21840:	17216:	0:	136:	6096:	65:	0:	0:	0:	64578:
:		:T:	0:	0:	0:	262102:	375:	0:	344551:	214635:	0:	2117:	105855:	462:	0:	0:	0:	930097:
:	CRESENT	:C:	0:	0:	0:	10160:	0:	0:	18763:	6057:	0:	0:	14461:	0:	0:	0:	0:	49441:
:		:E:	0:	0:	0:	14222:	73:	0:	26182:	6126:	0:	293:	19477:	0:	73:	73:	0:	66519:
:		:O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:		:T:	0:	0:	0:	24382:	73:	0:	44945:	12183:	0:	293:	33938:	0:	73:	73:	0:	115960:
:	HIDDEN	:C:	0:	0:	0:	60243:	0:	0:	5124:	2872:	0:	0:	0:	0:	0:	0:	0:	68239:
:	ENHANCED	:E:	0:	0:	0:	29053:	0:	0:	1959:	1632:	0:	0:	0:	0:	0:	0:	0:	32644:
:		:O:	0:	0:	0:	14930:	0:	0:	1248:	929:	0:	0:	0:	0:	0:	0:	0:	17107:
:		:T:	0:	0:	0:	104226:	0:	0:	8331:	5433:	0:	0:	0:	0:	0:	0:	0:	117990:
:	FISH	:C:	0:	0:	0:	15258:	0:	0:	755:	1438:	0:	59:	403:	29:	0:	0:	0:	17942:
:		:E:	0:	2981:	0:	19223:	246:	0:	636:	2202:	0:	49:	246:	49:	0:	0:	0:	25632:
:		:O:	0:	306:	0:	1973:	25:	0:	65:	226:	0:	5:	25:	5:	0:	0:	0:	2630:
:		:T:	0:	3287:	0:	36454:	271:	0:	1456:	3866:	0:	113:	674:	83:	0:	0:	0:	46204:
:	UNALLO	:C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:		:E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:		:O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:		:T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	OTHER	:C:	63:	0:	6049:	21363:	0:	0:	137845:	19390:	0:	1249:	51561:	207:	194:	1915:	0:	239836:
:		:E:	187:	0:	2906:	25887:	0:	0:	121133:	18838:	0:	1070:	30132:	306:	206:	182:	0:	200847:
:		:O:	27:	0:	198:	3359:	761:	0:	5801:	13800:	0:	55:	4040:	77:	7:	9:	0:	28134:
:		:T:	277:	0:	9153:	50609:	761:	0:	264779:	52028:	0:	2374:	85733:	590:	407:	2106:	0:	468817:
:	SUMMARY	:C:	2014:	0:	24380:	446938:	261:	0:	1474626:	355028:	0:	11763:	358121:	2795:	2866:	1915:	0:	2680707:
:		:E:	6779:	2981:	10844:	289696:	6779:	0:	703599:	208008:	713:	6349:	149963:	6165:	1186:	255:	0:	1393317:
:		:O:	393:	306:	1493:	80292:	6997:	0:	228650:	115176:	687:	1732:	49717:	4142:	500:	9:	0:	490094:
:		:T:	9186:	3287:	36717:	816926:	14037:	0:	2406875:	678212:	1400:	19844:	557801:	13102:	4552:	2179:	0:	4564118:

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 2000

		AGE CLASS															
:SYSTEM		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL
: SUSITNA	:C:	0:	0:	6471:	7444:	0:	0:	101235:	3806:	231:	35458:	0:	111:	0:	0:	154756:	
	:E:	0:	0:	14515:	21326:	0:	0:	152429:	8174:	446:	446:	49910:	0:	446:	0:	0:	247692:
	:O:	0:	0:	698:	1025:	0:	0:	7326:	393:	21:	21:	2399:	0:	21:	0:	0:	11904:
	:T:	0:	0:	21684:	29795:	0:	0:	260990:	12373:	467:	698:	87767:	0:	578:	0:	0:	414352:
: KENAI	:C:	0:	12:	4342:	59545:	29:	0:	445309:	50329:	0:	7088:	134075:	2505:	1042:	0:	0:	704276:
	:E:	0:	534:	3832:	45869:	3741:	0:	242507:	30718:	0:	4599:	56451:	2776:	2299:	0:	0:	393326:
	:O:	0:	796:	2815:	36000:	16200:	0:	184450:	37968:	0:	3377:	56625:	2542:	1689:	0:	0:	342462:
	:T:	0:	1342:	10989:	141414:	19970:	0:	872266:	119015:	0:	15064:	247151:	7823:	5030:	0:	0:	1440064:
: KASILOF	:C:	0:	3:	0:	89953:	2:	0:	105625:	24879:	0:	0:	43557:	0:	0:	0:	0:	264019:
	:E:	0:	320:	0:	103093:	959:	0:	83345:	27987:	0:	0:	30225:	0:	0:	0:	0:	245929:
	:O:	0:	69:	0:	22207:	207:	0:	17953:	6028:	0:	0:	6511:	0:	0:	0:	0:	52975:
	:T:	0:	392:	0:	215253:	1168:	0:	206923:	58894:	0:	0:	80293:	0:	0:	0:	0:	562923:
: CRESENT	:C:	0:	0:	0:	934:	0:	0:	26994:	830:	0:	0:	8306:	0:	0:	0:	0:	37064:
	:E:	0:	0:	0:	1425:	0:	0:	41196:	1267:	0:	0:	12676:	0:	0:	0:	0:	56564:
	:O:	0:	0:	0:	1:	0:	0:	25:	1:	0:	0:	8:	0:	0:	0:	0:	35:
	:T:	0:	0:	0:	2360:	0:	0:	68215:	2098:	0:	0:	20990:	0:	0:	0:	0:	93663:
: HIDDEN	:C:	0:	0:	0:	26404:	0:	0:	3975:	3149:	0:	0:	0:	0:	0:	0:	0:	33528:
: ENHANCED	:E:	0:	0:	0:	22522:	0:	0:	2334:	2637:	0:	0:	0:	0:	0:	0:	0:	27493:
	:O:	0:	0:	0:	15332:	0:	0:	1589:	1795:	0:	0:	0:	0:	0:	0:	0:	18716:
	:T:	0:	0:	0:	64258:	0:	0:	7898:	7581:	0:	0:	0:	0:	0:	0:	0:	79737:
: FISH	:C:	234:	24:	0:	5762:	11:	0:	3678:	778:	0:	0:	557:	0:	0:	0:	0:	11044:
	:E:	33:	139:	0:	10943:	311:	0:	3671:	1107:	0:	0:	520:	0:	0:	0:	0:	16724:
	:O:	20:	81:	0:	6382:	181:	0:	2141:	646:	0:	0:	303:	0:	0:	0:	0:	9754:
	:T:	287:	244:	0:	23087:	503:	0:	9490:	2531:	0:	0:	1380:	0:	0:	0:	0:	37522:
: UNALLO	:C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	:E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	:O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	:T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
: OTHER	:C:	762:	1:	1003:	6945:	12:	0:	74344:	5772:	0:	497:	26681:	304:	65:	1287:	0:	117673:
	:E:	149:	0:	1722:	18668:	0:	0:	104173:	8077:	0:	930:	33286:	158:	265:	240:	0:	167668:
	:O:	16:	12:	380:	1823:	577:	0:	9139:	4649:	12:	57:	4896:	146:	9:	28:	0:	21744:
	:T:	927:	13:	3105:	27436:	589:	0:	187656:	18498:	12:	1484:	64863:	608:	339:	1555:	0:	307085:
: SUMMARY	:C:	996:	40:	11816:	196987:	54:	0:	761160:	89543:	0:	7816:	248634:	2809:	1218:	1287:	0:	1322360:
	:E:	182:	993:	20069:	223846:	5011:	0:	629655:	79967:	446:	5975:	183068:	2934:	3010:	240:	0:	1155396:
	:O:	36:	958:	3893:	82770:	17165:	0:	222623:	51480:	33:	3455:	70742:	2688:	1719:	28:	0:	457590:
	:T:	1214:	1991:	35778:	503603:	22230:	0:	1613438:	220990:	479:	17246:	502444:	8431:	5947:	1555:	0:	2935346:

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 2001

		AGE CLASS															
SYSTEM		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL
: SUSITNA	: C:	0:	4:	9607:	14814:	101:	0:	57951:	5380:	0:	0:	27731:	0:	0:	169:	0:	115757:
:	: E:	0:	1261:	5058:	31911:	630:	0:	71747:	12638:	0:	0:	26537:	0:	0:	315:	0:	150097:
:	: O:	0:	109:	437:	2756:	54:	0:	6195:	1091:	0:	0:	2292:	0:	0:	27:	0:	12961:
:	: T:	0:	1374:	15102:	49481:	785:	0:	135893:	19109:	0:	0:	56560:	0:	0:	511:	0:	278815:
: KENAI	: C:	0:	146:	0:	75978:	558:	0:	754299:	56937:	0:	5931:	132751:	0:	0:	489:	0:	1027089:
:	: E:	0:	1078:	0:	37778:	0:	0:	338185:	32544:	0:	4153:	43377:	0:	0:	812:	0:	457927:
:	: O:	0:	1740:	0:	29161:	12808:	0:	241884:	31631:	0:	2934:	34753:	0:	0:	640:	0:	355551:
:	: T:	0:	2964:	0:	142917:	13366:	0:	1334368:	121112:	0:	13018:	210881:	0:	0:	1941:	0:	1840567:
: KASILOF	: C:	0:	67:	0:	120712:	29:	0:	231641:	53535:	0:	553:	29860:	335:	0:	0:	0:	436732:
:	: E:	0:	1041:	0:	87003:	535:	0:	144420:	49032:	0:	535:	14243:	535:	0:	0:	0:	297344:
:	: O:	0:	243:	0:	20348:	125:	0:	33777:	11467:	0:	125:	3331:	125:	0:	0:	0:	69541:
:	: T:	0:	1351:	0:	228063:	689:	0:	409838:	114034:	0:	1213:	47434:	995:	0:	0:	0:	803617:
: CRESENT	: C:	0:	0:	0:	8170:	0:	0:	2587:	1354:	0:	0:	11639:	0:	0:	293:	0:	24043:
:	: E:	0:	0:	0:	12282:	414:	0:	16374:	17748:	0:	679:	30303:	0:	141:	141:	0:	78082:
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: T:	0:	0:	0:	20452:	414:	0:	18961:	19102:	0:	679:	41942:	0:	141:	434:	0:	102125:
: HIDDEN	: C:	0:	0:	0:	27910:	0:	0:	10243:	5927:	0:	0:	0:	0:	0:	0:	0:	44080:
: ENHANCED	: E:	0:	0:	0:	15138:	0:	0:	4806:	4085:	0:	0:	0:	0:	0:	0:	0:	24029:
:	: O:	0:	0:	0:	10312:	0:	0:	3274:	2783:	0:	0:	0:	0:	0:	0:	0:	16369:
:	: T:	0:	0:	0:	53360:	0:	0:	18323:	12795:	0:	0:	0:	0:	0:	0:	0:	84478:
: FISH	: C:	0:	6:	321:	5315:	126:	0:	16092:	1529:	0:	0:	2404:	67:	0:	0:	0:	25860:
:	: E:	0:	1908:	164:	11109:	763:	0:	19333:	3484:	55:	0:	2233:	55:	0:	0:	0:	39104:
:	: O:	0:	236:	20:	1372:	94:	0:	2387:	430:	7:	0:	276:	7:	0:	0:	0:	4829:
:	: T:	0:	2150:	505:	17796:	983:	0:	37812:	5443:	62:	0:	4913:	129:	0:	0:	0:	69793:
: UNALLO	: C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	: T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
: OTHER	: C:	1649:	0:	3903:	7887:	0:	0:	107453:	3902:	0:	536:	26986:	32:	902:	25:	0:	153275:
:	: E:	295:	0:	1632:	15700:	0:	0:	125775:	8567:	0:	483:	23136:	4:	0:	20:	0:	175612:
:	: O:	47:	0:	462:	2490:	0:	0:	16856:	1260:	0:	100:	4082:	17:	1:	21:	0:	25336:
:	: T:	1991:	0:	5997:	26077:	0:	0:	250084:	13729:	0:	1119:	54204:	53:	903:	66:	0:	354223:
: SUMMARY	: C:	1649:	223:	13831:	260786:	814:	0:	1180266:	128564:	0:	7020:	231371:	434:	902:	976:	0:	1826836:
:	: E:	295:	5288:	6854:	210921:	2342:	0:	720640:	128098:	55:	5850:	139829:	594:	141:	1288:	0:	1222195:
:	: O:	47:	2328:	919:	66439:	13081:	0:	304373:	48662:	7:	3159:	44734:	149:	1:	688:	0:	484587:
:	: T:	1991:	7839:	21604:	538146:	16237:	0:	2205279:	305324:	62:	16029:	415934:	1177:	1044:	2952:	0:	3533618:

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 2002

		AGE CLASS														
		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4 : TOTAL
: SYSTEM	: C:	802:	3:	6274:	20277:	0:	0:	76981:	4245:	0:	0:	17847:	0:	0:	14:	0: 126443:
:	: E:	2567:	959:	2892:	42438:	0:	0:	75225:	8042:	0:	0:	15110:	0:	0:	325:	0: 147558:
:	: O:	103:	38:	116:	1698:	0:	0:	3010:	322:	0:	0:	605:	0:	0:	13:	0: 5905:
:	: T:	3472:	1000:	9282:	64413:	0:	0:	155216:	12609:	0:	0:	33562:	0:	0:	352:	0: 279906:
: KENAI	: C:	681:	0:	2626:	279141:	1080:	0:	1224102:	148997:	0:	14409:	153008:	1327:	418:	0:	0: 1825789:
:	: E:	621:	0:	311:	143196:	3434:	0:	443613:	57611:	557:	5436:	43970:	621:	932:	311:	0: 700613:
:	: O:	328:	0:	164:	82433:	5348:	0:	237599:	62439:	392:	2871:	28422:	328:	492:	164:	0: 420980:
:	: T:	1630:	0:	3101:	504770:	9862:	0:	1905314:	269047:	949:	22716:	225400:	2276:	1842:	475:	0: 2947382:
: KASILOF	: C:	0:	719:	0:	123216:	533:	0:	201632:	70545:	0:	1380:	40930:	0:	112:	0:	0: 439067:
:	: E:	0:	584:	0:	73291:	3177:	0:	82304:	41714:	0:	584:	14200:	0:	281:	0:	0: 216135:
:	: O:	0:	212:	0:	26658:	1156:	0:	29937:	15173:	0:	212:	5165:	0:	102:	0:	0: 78615:
:	: T:	0:	1515:	0:	223165:	4866:	0:	313873:	127432:	0:	2176:	60295:	0:	495:	0:	0: 733817:
: CRESENT	: C:	0:	0:	0:	6649:	45:	0:	11761:	3905:	0:	94:	12368:	0:	45:	0:	0: 34867:
:	: E:	0:	0:	0:	11982:	82:	0:	21194:	7037:	0:	170:	22287:	0:	82:	0:	0: 62834:
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0: 0:
:	: T:	0:	0:	0:	18631:	127:	0:	32955:	10942:	0:	264:	34655:	0:	127:	0:	0: 97701:
: HIDDEN	: C:	0:	0:	0:	57642:	0:	0:	20711:	7149:	0:	0:	0:	0:	0:	0:	0: 85502:
: ENHANCED	: E:	0:	0:	0:	32179:	0:	0:	7935:	3967:	0:	0:	0:	0:	0:	0:	0: 44081:
:	: O:	0:	0:	0:	15380:	0:	0:	3792:	1896:	0:	0:	0:	0:	0:	0:	0: 21068:
:	: T:	0:	0:	0:	105201:	0:	0:	32438:	13012:	0:	0:	0:	0:	0:	0:	0: 150651:
: FISH	: C:	0:	10:	0:	31069:	14:	0:	2967:	7298:	0:	0:	535:	0:	0:	0:	0: 41893:
:	: E:	0:	2866:	0:	64478:	1804:	0:	2875:	13709:	147:	0:	449:	0:	0:	0:	0: 86328:
:	: O:	0:	149:	0:	3349:	94:	0:	149:	712:	8:	0:	23:	0:	0:	0:	0: 4484:
:	: T:	0:	3025:	0:	98896:	1912:	0:	5991:	21719:	155:	0:	1007:	0:	0:	0:	0: 132705:
: UNALLO	: C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0: 0:
:	: E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0: 0:
:	: O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0: 0:
:	: T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0: 0:
: OTHER	: C:	55:	0:	3995:	16385:	0:	0:	163153:	7517:	0:	1186:	27073:	166:	28:	0:	0: 219558:
:	: E:	82:	0:	1333:	29680:	0:	0:	147472:	12992:	0:	1318:	20572:	131:	88:	0:	0: 213668:
:	: O:	63:	0:	402:	4902:	0:	0:	16863:	1640:	0:	124:	2780:	13:	8:	0:	0: 26795:
:	: T:	200:	0:	5730:	50967:	0:	0:	327488:	22149:	0:	2628:	50425:	310:	124:	0:	0: 460021:
: SUMMARY	: C:	1538:	732:	12895:	534379:	1672:	0:	1701307:	249656:	0:	17069:	251761:	1493:	603:	14:	0: 2773119:
:	: E:	3270:	4409:	4536:	397244:	8497:	0:	780618:	145072:	704:	7508:	116588:	752:	1383:	636:	0: 1471217:
:	: O:	494:	399:	682:	134420:	6598:	0:	291350:	82182:	400:	3207:	36995:	341:	602:	177:	0: 557847:
:	: T:	5302:	5540:	18113:	1066043:	16767:	0:	2773275:	476910:	1104:	27784:	405344:	2586:	2588:	827:	0: 4802183:

Table 1. Total return tables for Upper Cook Inlet, Alaska, 1976-2003 (continued)

UPPER COOK INLET SOCKEYE TOTAL RUN - 2003

		AGE CLASS															
SYSTEM		: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL
: SUSITNA	:C:	1264:	0:	8778:	20731:	95:	0:	182176:	7145:	0:	891:	33344:	0:	0:	0:	0:	254424:
	:E:	1661:	407:	8340:	54720:	1661:	0:	215489:	20444:	0:	1254:	35056:	0:	0:	0:	0:	339032:
	:O:	67:	16:	336:	2202:	67:	0:	8671:	823:	0:	50:	1411:	0:	0:	0:	0:	13643:
	:T:	2992:	423:	17454:	77653:	1823:	0:	406336:	28412:	0:	2195:	69811:	0:	0:	0:	0:	607099:
: KENAI	:C:	1435:	41:	7263:	187297:	1220:	0:	1480505:	137060:	0:	9703:	482852:	0:	1004:	0:	0:	2308380:
	:E:	1386:	297:	1881:	136876:	0:	0:	566771:	52365:	27:	3464:	179082:	0:	558:	0:	0:	942707:
	:O:	622:	133:	844:	62529:	2151:	0:	260423:	61736:	977:	1554:	89618:	0:	446:	0:	0:	481033:
	:T:	3443:	471:	9988:	386702:	3371:	0:	2307699:	251161:	1004:	14721:	751552:	0:	2008:	0:	0:	3732120:
: KASILOF	:C:	0:	259:	0:	145409:	516:	0:	192971:	145345:	0:	0:	48292:	0:	0:	0:	0:	532792:
	:E:	0:	2259:	0:	129683:	765:	0:	90615:	101668:	0:	0:	22593:	0:	0:	0:	0:	347583:
	:O:	0:	428:	0:	24575:	145:	0:	17171:	19266:	0:	0:	4281:	0:	0:	0:	0:	65866:
	:T:	0:	2946:	0:	299667:	1426:	0:	300757:	266279:	0:	0:	75166:	0:	0:	0:	0:	946241:
: CRESENT	:C:	0:	0:	371:	4484:	282:	0:	21563:	4203:	0:	188:	9523:	0:	0:	188:	0:	40802:
	:E:	0:	453:	110:	17565:	343:	0:	62562:	16439:	0:	0:	24824:	0:	110:	0:	0:	122406:
	:O:	0:	0:	0:	7:	0:	0:	26:	7:	0:	0:	10:	0:	0:	0:	0:	50:
	:T:	0:	453:	481:	22056:	625:	0:	84151:	20649:	0:	188:	34357:	0:	110:	188:	0:	163258:
: HIDDEN	:C:	0:	0:	0:	7331:	0:	0:	4774:	801:	0:	0:	0:	0:	0:	0:	0:	12906:
: ENHANCED	:E:	0:	0:	0:	4455:	0:	0:	1527:	382:	0:	0:	0:	0:	0:	0:	0:	6364:
	:O:	0:	0:	0:	2612:	0:	0:	896:	224:	0:	0:	0:	0:	0:	0:	0:	3732:
	:T:	0:	0:	0:	14398:	0:	0:	7197:	1407:	0:	0:	0:	0:	0:	0:	0:	23002:
: FISH	:C:	0:	0:	0:	9953:	22:	0:	37093:	4341:	0:	183:	5050:	0:	0:	0:	0:	56642:
	:E:	0:	251:	0:	25570:	380:	0:	42706:	12089:	0:	251:	5168:	0:	0:	0:	0:	86415:
	:O:	0:	18:	0:	1800:	27:	0:	3007:	851:	0:	18:	364:	0:	0:	0:	0:	6085:
	:T:	0:	269:	0:	37323:	429:	0:	82806:	17281:	0:	452:	10582:	0:	0:	0:	0:	149142:
: UNALLO	:C:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	203:
	:E:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	:O:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
	:T:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	203:
: OTHER	:C:	457:	0:	2864:	7664:	2:	816:	184153:	4994:	0:	724:	64298:	0:	215:	403:	0:	266590:
	:E:	525:	0:	2255:	18205:	19:	156:	203637:	13571:	0:	996:	62338:	0:	218:	62:	0:	301982:
	:O:	73:	0:	405:	2547:	15:	10:	19424:	1222:	0:	67:	6498:	0:	15:	4:	0:	30280:
	:T:	1055:	0:	5524:	28416:	36:	982:	407214:	19787:	0:	1787:	133134:	0:	448:	469:	0:	598852:
: SUMMARY	:C:	3156:	300:	19276:	382869:	2137:	816:	2103235:	303889:	0:	11689:	643359:	203:	1219:	591:	0:	3472739:
	:E:	3572:	3667:	12586:	387074:	3168:	156:	1183307:	216958:	27:	5965:	329061:	0:	886:	62:	0:	2146489:
	:O:	762:	595:	1585:	96272:	2405:	10:	309618:	84129:	977:	1689:	102182:	0:	461:	4:	0:	600689:
	:T:	7490:	4562:	33447:	866215:	7710:	982:	3596160:	604976:	1004:	19343:	1074602:	203:	2566:	657:	0:	6219917:

Table 2. Upper Cook Inlet Brood Tables

SUSITNA RIVER SOCKEYE TOTAL RUN FROM BROOD YEAR INCLUDING ESTIMATES OF INTERCEPTION CATCHES

RETURN BY AGE CLASS																		
:BROOD YEAR	: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL	:	
: 1964	:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
: 1965	:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
: 1966	:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	3424:	43207:	0:	518:	0:	125:	47274:
: 1967	:	0:	0:	0:	0:	0:	0:	206250:	6656:	0:	2121:	12717:	0:	72:	0:	1447:	229263:	
: 1968	:	0:	0:	39:	21005:	0:	0:	147208:	10043:	0:	215:	4997:	0:	0:	0:	0:	0:	183507:
: 1969	:	0:	0:	7640:	64806:	1161:	0:	92160:	6678:	0:	0:	3363:	0:	0:	0:	0:	0:	175808:
: 1970	:	348:	2322:	0:	75213:	72:	0:	170546:	9537:	0:	878:	709:	0:	0:	0:	0:	0:	259625:
: 1971	:	0:	72:	0:	135948:	216:	0:	191986:	3709:	0:	0:	2095:	0:	0:	0:	0:	0:	334026:
: 1972	:	0:	2592:	0:	110973:	0:	0:	381472:	16081:	0:	94:	5531:	0:	0:	0:	0:	0:	516743:
: 1973	:	0:	10537:	0:	93741:	238:	0:	135328:	9372:	0:	157:	2900:	0:	0:	0:	0:	0:	252273:
: 1974	:	0:	2618:	0:	148757:	7552:	0:	87458:	16993:	0:	1356:	33983:	0:	0:	0:	0:	0:	298717:
: 1975	:	0:	3493:	9391:	167218:	1052:	0:	185300:	19080:	0:	1037:	33863:	0:	0:	0:	0:	0:	420434:
: 1976	:	2474:	10634:	0:	151808:	193:	0:	566558:	24203:	0:	0:	74907:	0:	0:	0:	0:	0:	830777:
: 1977	:	0:	4362:	0:	55498:	0:	0:	372105:	15370:	0:	1306:	9635:	0:	0:	0:	0:	0:	458276:
: 1978	:	0:	1815:	0:	98838:	1075:	673:	208378:	11276:	0:	356:	37463:	0:	0:	0:	0:	0:	359874:
: 1979	:	0:	5435:	6816:	299900:	1415:	0:	392118:	30739:	0:	3836:	17698:	237:	0:	0:	0:	0:	758194:
: 1980	:	4526:	5062:	21255:	179504:	1762:	237:	344890:	24917:	91:	831:	48736:	0:	0:	0:	0:	0:	631811:
: 1981	:	1976:	6585:	24174:	166170:	1221:	0:	521401:	32017:	0:	2715:	67532:	0:	508:	0:	0:	0:	824299:
: 1982	:	6294:	13538:	9298:	104704:	690:	0:	252174:	34576:	0:	806:	49569:	0:	0:	0:	0:	0:	471649:
: 1983	:	3765:	0:	19293:	67076:	0:	0:	169133:	31671:	0:	622:	22416:	0:	346:	0:	0:	0:	314322:
: 1984	:	4887:	1223:	12452:	86761:	3283:	0:	162897:	14131:	0:	3585:	78686:	943:	66:	0:	0:	0:	368914:
: 1985	:	5547:	448:	21848:	53055:	1068:	0:	459869:	45170:	0:	232:	52608:	0:	2021:	312:	0:	0:	642178:
: 1986	:	9843:	2031:	23265:	155347:	122:	222:	305409:	23218:	0:	210:	87585:	289:	1922:	0:	0:	0:	609463:
: 1987	:	5090:	770:	27504:	70967:	397:	0:	248488:	61927:	0:	0:	131070:	0:	0:	0:	0:	0:	546213:
: 1988	:	2472:	203:	13038:	72403:	377:	0:	298711:	76734:	0:	646:	121492:	0:	0:	0:	0:	0:	586076:
: 1989	:	1776:	2283:	39701:	149591:	1149:	1126:	272282:	40650:	0:	3121:	76867:	1441:	0:	0:	0:	0:	589987:
: 1990	:	3700:	217:	25063:	94109:	0:	0:	345394:	42628:	0:	0:	83795:	0:	0:	1636:	0:	0:	596542:
: 1991	:	4003:	1622:	26473:	86102:	553:	0:	202691:	33937:	0:	837:	55229:	0:	0:	0:	0:	0:	411447:
: 1992	:	6188:	1941:	12480:	83354:	951:	0:	304373:	26821:	0:	793:	40400:	0:	0:	0:	0:	0:	477301:
: 1993	:	8208:	853:	67646:	156499:	447:	0:	225489:	13965:	0:	3656:	38986:	0:	578:	0:	0:	0:	516327:
: 1994	:	3912:	400:	21183:	53081:	0:	0:	209215:	26366:	0:	698:	87767:	0:	0:	511:	0:	0:	403133:
: 1995	:	2363:	920:	19072:	77927:	0:	0:	260990:	12373:	467:	0:	56560:	0:	0:	352:	0:	0:	431024:
: 1996	:	8909:	0:	21684:	29795:	0:	0:	135893:	19109:	0:	0:	33562:	0:	0:	0:	0:	0:	248952*
: 1997	:	0:	0:	15102:	49481:	785:	0:	155216:	12609:	0:	2195:	69811:	0:	0*	0*	0*	0*	305199*
: 1998	:	0:	1374:	9282:	64413:	0:	0:	406336:	28412:	0:	0:	0*	0*	0*	0*	0*	0*	509817*
: 1999	:	3472:	1000:	17454:	77653:	1823:	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	101402*
: 2000	:	2992:	423:	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	3415*
: 2001	:	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
: 2002	:	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
: 2003	:	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*

SUSITNA RIVER SOCKEYE SALMON ADULT RETURN BY AGE CLASS FROM BROOD YEAR ESCAPEMENTS (IN THOUSANDS)

ADULT RETURN																							
:BROOD YEAR	:ESCAPEMENT:	1.2	:	%	1.3	:	%	1.3	/1.2	:1.3	/1FW:	2.2	:	%	2.3	:	%	2.3	/2.2	:2.3	/2FW:	TOTAL	:SPAWNER:
: 1964	:	0	:	0:	0:	0:	0:	.000	:	.000	:	0:	0:	0:	.000	:	.000	:	0:	0:	0:	0:	
: 1965	:	0	:	0:	0:	0:	0:	.000	:	.000	:	0:	0:	0:	.000	:	.000	:	0:	0:	0:	0:	
: 1966	:	0	:	0:	0:	0:	0:	.000	:	.000	:	0:	0:	43:	91:	:	.000	:	1.000	:	47:	: .00 :	
: 1967	:	0	:	0:	0:	206:	89:	.000	:	1.000	:	6:	2:	12:	5:	1.911:	:	.656:	:	229:	:	.00 :	
: 1968	:	0	:	21:	11:	147:	80:	7.008:	:	.875:	:	10:	5:	4:	2:	.498:	:	.332:	:	183:	:	.00 :	
: 1969	:	0	:	64:	36:	92:	52:	1.422:	:	.587:	:	6:	3:	3:	1:	.504:	:	.335:	:	175:	:	.00 :	
: 1970	:	0	:	75:	28:	170:	65:	2.268:	:	.694:	:	9:	3:	0:	0:	.074:	:	.069:	:	259:	:	.00 :	
: 1971	:	0	:	135:	40:	191:	57:	1.412:	:	.585:	:	3:	1:	2:	0:	.565:	:	.361:	:	334:	:	.00 :	
: 1972	:	91	:	110:	21:	381:	73:	3.438:	:	.775:	:	16:	3:	5:	1:	.344:	:	.256:	:	516:	:	5.62 :	
: 1973	:	116	:	93:	37:	135:	53:	1.444:	:	.591:	:	9:	3:	2:	1:	.309:	:	.236:	:	252:	:	2.17 :	
: 1974	:	71	:	148:	49:	87:	29:	.588:	:	.370:	:	16:	5:	33:	11:	2.000:	:	.667:	:	298:	:	4.16 :	
: 1975	:	108	:	167:	39:	185:	44:	1.108:	:	.526:	:	19:	4:	33:	8:	1.775:	:	.640:	:	420:	:	3.89 :	
: 1976	:	111	:	151:	18:	566:	68:	3.732:	:	.789:	:	24:	2:	74:	9:	3.095:	:	.756:	:	830:	:	7.48 :	
: 1977	:	232	:	55:	12:	372:	81:	6.705:	:	.870:	:	15:	3:	9:	2:	.627:	:	.385:	:	458:	:	1.97 :	
: 1978	:	93	:	98:	27:	208:	57:	2.108:	:	.678:	:	11:	3:	37:	10:	3.322:	:	.769:	:	359:	:	3.85 :	
: 1979	:	155	:	299:	39:	392:	51:	1.307:	:	.567:	:	30:	4:	17:	2:	.576:	:	.365:	:	758:	:	4.89 :	
: 1980	:	189	:	179:	28:	344:	54:	1.921:	:	.658:	:	24:	3:	48:	7:	1.956:	:	.662:	:	631:	:	3.34 :	
: 1981	:	338	:	166:	20:	521:	63:	3.138:	:	.758:	:	32:	3:	67:	8:	2.109:	:	.678:	:	824:	:	2.43 :	
: 1982	:	187	:	104:	22:	252:	53:	2.408:	:	.707:	:	34:	7:	49:	10:	1.434:	:	.589:	:	471:	:	2.51 :	
: 1983	:	172	:	67:	21:	169:	53:	2.522:	:	.716:	:	31:	10:	22:	7:	.708:	:	.414:	:	314:	:	1.83 :	
: 1984	:	275	:	86:	23:	162:	44:	1.878:	:	.652:	:	14:	3:	78:	21:	5.568:	:	.848:	:	368:	:	1.34 :	
: 1985	:	225	:	53:	8:	459:	71:	8.668:	:	.897:	:	45:	7:	52:	8:	1.165:	:	.538:	:	642:	:	2.84 :	
: 1986	:	172	:	155:	25:	305:	50:	1.966:	:	.663:	:	23:	3:	87:	14:	3.772:	:	.790:	:	609:	:	3.53 :	
: 1987	:	124	:	70:	12:	248:	45:	3.501:	:	.778:	:	61:	11:	131:	23:	2.117:	:	.679:	:	546:	:	4.38 :	
: 1988	:	97	:	72:	12:	298:	50:	4.126:	:	.805:	:	76:	13:	121:	20:	1.583:	:	.613:	:	586:	:	6.01 :	
: 1989	:	183	:	149:	25:	272:	46:	1.820:	:	.645:	:	40:	6:	76:	13:	1.891:	:	.654:	:	589:	:	3.21 :	
: 1990	:	270	:	94:	15:	345:	57:	3.670:	:	.786:	:	42:	7:	83:	14:	1.966:	:	.663:	:	596:	:	2.	

Table 2. Upper Cook Inlet Brood Tables (continued)

KENAI RIVER SOCKEYE TOTAL RUN FROM BROOD YEAR INCLUDING ESTIMATES OF INTERCEPTION CATCHES

: BROOD YEAR		--RETURN BY AGE CLASS--														
: 0.2 : 1.1 : 0.3 :		1.2 : 2.1 :: 0.4 :		1.3 : 2.2 :		3.1 : 1.4 :		2.3 : 3.2 :		2.4 : 3.3 :		3.4 : TOTAL :				
:	1964	:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	1965	:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	2391:	29:	0:	2420:
:	1966	:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	595663:
:	1967	:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	172711:
:	1968	:	0:	0:	159584:	1590:	0:	628356:	58021:	0:	492:	68402:	0:	0:	0:	916445:
:	1969	:	0:	647:	0:	26064:	4037:	0:	223052:	76559:	0:	3597:	74662:	863:	0:	0:
:	1970	:	0:	1101:	0:	55509:	5083:	0:	202006:	132228:	0:	0:	116564:	7337:	0:	0:
:	1971	:	0:	2787:	0:	32518:	6187:	0:	334928:	252153:	0:	7466:	226641:	0:	0:	0:
:	1972	:	0:	3454:	0:	501352:	14673:	0:	1410127:	148029:	0:	816:	109131:	0:	0:	0:
:	1973	:	0:	7340:	0:	124551:	0:	0:	1742904:	78193:	0:	0:	41451:	0:	0:	0:
:	1974	:	0:	0:	0:	54411:	1224:	0:	405584:	77698:	0:	0:	127804:	0:	0:	0:
:	1975	:	0:	0:	0:	128318:	0:	0:	541235:	175248:	0:	0:	48630:	0:	0:	0:
:	1976	:	0:	1042:	0:	338258:	4392:	0:	633694:	75305:	822:	2710:	129815:	0:	652:	0:
:	1977	:	0:	30234:	0:	153169:	2449:	0:	2232261:	58300:	0:	17920:	315607:	0:	0:	469:
:	1978	:	0:	0:	0:	117813:	0:	0:	3002211:	54773:	0:	32597:	240630:	4967:	0:	0:
:	1979	:	0:	1042:	28250:	216507:	3543:	0:	465753:	119048:	0:	10080:	258443:	4242:	1873:	0:
:	1980	:	0:	2923:	15516:	168234:	1917:	512:	1403580:	222450:	0:	13618:	515152:	0:	0:	0:
:	1981	:	672:	0:	7359:	237959:	1848:	0:	1174367:	262242:	0:	6484:	574950:	0:	0:	0:
:	1982	:	3563:	1098:	36152:	685667:	1541:	2172:	7174572:	253337:	0:	22776:	748109:	0:	7318:	0:
:	1983	:	1174:	0:	24792:	57152:	0:	0:	4362413:	259576:	0:	43349:	3463341:	0:	10104:	0:
:	1984	:	0:	0:	3559:	345387:	4458:	0:	1446909:	605787:	5507:	17380:	818818:	5489:	501:	0:
:	1985	:	0:	3185:	4452:	265557:	14378:	0:	1402827:	223452:	0:	4144:	324482:	489:	0:	0:
:	1986	:	1248:	3583:	11591:	189784:	2511:	1658:	719248:	104160:	0:	10364:	699942:	0:	7936:	0:
:	1987	:	0:	4302:	35031:	469046:	3314:	0:	6709122:	255653:	0:	96261:	1895339:	954:	12986:	0:
:	1988	:	327:	848:	0:	35416:	5957:	0:	1310346:	239533:	438:	18874:	505039:	2263:	3952:	0:
:	1989	:	3408:	0:	15369:	277623:	57941:	0:	2177325:	468365:	1132:	16385:	850690:	0:	14821:	0:
:	1990	:	964:	2539:	5622:	180010:	10612:	0:	693951:	147578:	0:	10014:	263629:	1963:	2959:	0:
:	1991	:	1314:	3156:	9550:	550490:	17522:	0:	2522565:	188311:	1413:	15645:	603245:	2519:	2565:	2582:
:	1992	:	0:	2015:	8206:	141693:	8322:	0:	2985461:	106701:	0:	16443:	250733:	2391:	4072:	0:
:	1993	:	0:	0:	13039:	137422:	5340:	0:	673904:	157474:	1269:	11291:	292615:	11967:	5030:	0:
:	1994	:	0:	1354:	0:	301590:	59831:	0:	1533598:	363701:	1400:	15064:	247151:	7823:	0:	1941:
:	1995	:	0:	2631:	8492:	261226:	12557:	0:	872266:	119015:	0:	13018:	210881:	0:	1842:	475:
:	1996	:	0:	0:	10989:	141414:	19970:	0:	1334368:	121112:	0:	22716:	225400:	2276:	2008:	0:
:	1997	:	0:	1342:	0:	142917:	13366:	0:	1905314:	269047:	949:	14721:	751552:	0:	0*	0*
:	1998	:	0:	2964:	3101:	504770:	9862:	0:	2307699:	251161:	1004:	0:	0*	0*	0*	0*
:	1999	:	1630:	0:	9988:	386702:	3371:	0*	0*	0*	0*	0*	0*	0*	0*	0*
:	2000	:	3443:	471:	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	3914*
:	2001	:	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
:	2002	:	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
:	2003	:	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*

KENAI RIVER SOCKEYE SALMON ADULT RETURN BY AGE CLASS FROM BROOD YEAR ESCAPEMENTS (IN THOUSANDS)

: BROOD YEAR		--ADULT RETURN--												+RTN PER+ : SPawner:				
: BROOD YEAR		: ESCAPEMENT:		1.2 : % 1.3 :		% 1.3 / 1.2 : 1.3 / 1FW:		2.2 : % 2.3 :		% 2.3 / 2.2 : 2.3 / 2FW:		TOTAL :						
:	1964	:	0:	0:	0:	0:	.000:	0:	0:	0:	0:	.000:	0:	0:	0:	.00:		
:	1965	:	0:	0:	0:	0:	.000:	0:	0:	0:	0:	.000:	0:	0:	2:	.00:		
:	1966	:	0:	0:	0:	0:	.000:	0:	0:	0:	0:	.163:	94:	.000:	1.000:	.172:	.00:	
:	1967	:	0:	0:	0:	318:	53:	.000:	1.000:	148:	24:	114:	19:	.769:	.435:	595:	.00:	
:	1968	:	0:	159:	17:	628:	68:	3:	937:	.797:	58:	6:	68:	7:	1.179:	.541:	916:	.00:
:	1969	:	0:	26:	6:	223:	54:	8:	558:	.895:	76:	18:	74:	18:	.975:	.494:	409:	.00:
:	1970	:	0:	55:	10:	202:	38:	3:	639:	.784:	132:	25:	116:	22:	.882:	.469:	519:	.00:
:	1971	:	0:	32:	3:	334:	38:	10:	300:	.912:	252:	29:	226:	26:	.899:	.473:	862:	.00:
:	1972	:	301:	501:	22:	1410:	64:	2:	813:	.738:	148:	6:	109:	4:	.737:	.424:	2187:	7.24:
:	1973	:	358:	124:	6:	1742:	87:	13:	993:	.933:	78:	3:	41:	2:	.530:	.346:	1994:	5.57:
:	1974	:	144:	54:	8:	405:	60:	7:	454:	.882:	77:	11:	127:	19:	1.645:	.622:	666:	4.61:
:	1975	:	128:	128:	14:	541:	60:	4:	218:	.808:	175:	19:	48:	5:	.277:	.217:	893:	6.95:
:	1976	:	353:	338:	28:	633:	53:	1:	873:	.652:	75:	6:	129:	10:	1.724:	.633:	1186:	3.36:
:	1977	:	663:	153:	5:	2232:	79:	14:	574:	.936:	58:	2:	315:	11:	5.413:	.844:	2810:	4.23:
:	1978	:	349:	117:	3:	3002:	86:	25:	483:	.962:	54:	1:	240:	6:	4.393:	.815:	3452:	9.87:
:	1979	:	246:	216:	19:	465:	42:	2:	151:	.683:	119:	10:	258:	23:	2.171:	.685:	1108:	4.49:
:	1980	:	397:	168:	7:	1403:	59:	8:	343:	.893:	222:	9:	515:	21:	2.316:	.698:	2343:	5.90:
:	1981	:	359:	237:	10:	1174:	51:	5:	4.935:	.832:	262:	11:	574:	25:	2.192:	.687:	2265:	6.30:
:	1982	:	566:	685:	7:	7174:	80:	10:	4.646:	.913:	253:	2:	748:	8:	2.953:	.747:	8936:	15.79:
:	1983	:	556:	571:	6:	4362:	49:	7:	633:	.884:	259:	2:	3463:	39:	13.342:	.930:	8736:	15.69:
:	1984	:	309:	345:	10:	1446:	44:	4:	1.189:	.807:	605:	18:	818:	25:	1.352:	.575:	3253:	10.51:
:	1985	:	396:	265:	11:	1402:	62:	5:	283:	.841:	223:	9:	324:	14:	1.452:	.592:	2242:	5.66:
:	1986	:	402:	189:	10:	719:	41:	3:	790:	.791:	104:	5:	699:	39:	6.720:	.870:	1752:	4.36:
:	1987	:	1337:	469:	4:	6709:	70:	14:	304:	.935:	255:	2:	1895:	19:	7.414:	.881:	9482:	7.09:
:	1988	:	840:	35:	1:	1310:	61:	36:	999:	.974:	239:	11:	505:	23:	2.108:	.678:	2122:	2.53:
:	1989	:	1333:	277:	7:	2177:	56:	7:	843:	.887:	468:	12:	850:	21:	1.816:	.645:	3883:	2.91:
:	1990	:	440:	180:	13:	693:	52:	3:	855:	.794:	147:	11:	263:	19:	1.786:	.641:	1319:	3.00:
:	1991	:	378:	550:	14:	2522:	64:	4:	582:	.821:	188:	4:	603:	15:	3.203:	.762:	3920:	10.37:
:	1992	:	753:	141:	4:	2985:	84:	21:	070:	.955:	106:	3:	250:	7:	2.350:	.701:	3526:	4.68:
:	1993	:	670:	137:	10:	673:	51:	4:	904:	.831:	157:	12:	292:	22:	1.858:	.650:	1309:	1.95:
:	1994	:	895:															

Table 2. Upper Cook Inlet Brood Tables (continued)

KASILOF RIVER SOCKEYE TOTAL RUN FROM BROOD YEAR INCLUDING ESTIMATES OF INTERCEPTION CATCHES

KASILOF RIVER SOCKEYE SALMON ADULT RETURN BY AGE CLASS FROM BROOD YEAR ESCAPEMENTS (IN THOUSANDS)

BROOD	YEAR	ESCAPEMENT:										ADULT RETURN										+RTN PER+					
		1.2	:	%	1.3	:	%	1.3	/1.2	:1.3	/FW	2.2	:	%	2.3	:	%	2.3	/2.2	:2.3	/2FW	TOTAL	:SPANNER:				
:	1964	:	0	:	0	:	0	0	:	.000	:	.000	:	0	0	:	0	0	:	.000	:	.000	0	.00			
:	1965	:	0	:	0	:	0	0	:	.000	:	.000	:	0	0	:	0	0	:	.000	:	.000	1	.00			
:	1966	:	0	:	0	:	0	0	:	.000	:	.000	:	0	0	:	47	94	:	.000	:	1.000	50	.00			
:	1967	:	0	:	0	:	107	90	:	.000	:	1.000	:	7	6	:	3	2	:	.470	:	.320	118	.00			
:	1968	:	0	:	104	:	59	:	54	:	30	:	.518	:	.341	:	14	8	:	3	2	:	.243	:	.196	177	.00
:	1969	:	0	:	10	:	7	:	115	:	81	:	10.802	:	.915	:	7	5	:	7	5	:	1.047	:	.511	142	.00
:	1970	:	0	:	40	:	20	:	12	:	6	:	.296	:	.228	:	82	42	:	59	30	:	.729	:	.422	195	.00
:	1971	:	0	:	29	:	8	:	145	:	41	:	5.014	:	.834	:	116	33	:	57	16	:	.493	:	.330	349	.00
:	1972	:	113	:	141	:	32	:	120	:	27	:	.855	:	.461	:	127	29	:	47	10	:	.371	:	.271	437	3.87
:	1973	:	40	:	132	:	31	:	230	:	55	:	1.740	:	.635	:	47	11	:	5	1	:	.110	:	.099	418	10.46
:	1974	:	69	:	256	:	61	:	94	:	22	:	.368	:	.269	:	40	9	:	20	4	:	.515	:	.340	416	5.96
:	1975	:	47	:	200	:	54	:	132	:	36	:	.660	:	.398	:	24	6	:	9	2	:	.397	:	.284	366	7.67
:	1976	:	133	:	271	:	35	:	396	:	52	:	1.460	:	.593	:	37	4	:	50	6	:	1.343	:	.573	757	5.67
:	1977	:	153	:	158	:	22	:	421	:	60	:	2.652	:	.726	:	56	8	:	56	8	:	.993	:	.498	697	4.55
:	1978	:	109	:	189	:	23	:	447	:	55	:	2.359	:	.702	:	113	13	:	60	7	:	.538	:	.350	812	7.39
:	1979	:	149	:	452	:	51	:	228	:	26	:	.505	:	.336	:	120	13	:	61	7	:	.508	:	.337	870	5.84
:	1980	:	178	:	275	:	22	:	564	:	46	:	2.052	:	.672	:	280	23	:	83	6	:	.297	:	.229	1208	6.78
:	1981	:	246	:	894	:	43	:	795	:	38	:	.890	:	.471	:	244	11	:	120	5	:	.491	:	.329	2059	8.35
:	1982	:	168	:	587	:	40	:	428	:	29	:	.731	:	.422	:	302	20	:	137	9	:	.454	:	.312	1460	8.67
:	1983	:	199	:	390	:	37	:	335	:	32	:	.861	:	.463	:	235	22	:	78	7	:	.333	:	.250	1041	5.21
:	1984	:	219	:	235	:	28	:	191	:	23	:	.814	:	.449	:	293	35	:	106	12	:	.364	:	.267	830	3.78
:	1985	:	493	:	70	:	16	:	156	:	37	:	2.224	:	.690	:	133	31	:	59	14	:	.445	:	.308	420	.85
:	1986	:	263	:	110	:	14	:	279	:	35	:	2.515	:	.716	:	202	25	:	186	23	:	.922	:	.480	780	2.96
:	1987	:	236	:	146	:	13	:	424	:	39	:	2.903	:	.744	:	288	26	:	211	19	:	.732	:	.423	1073	4.53
:	1988	:	141	:	177	:	23	:	233	:	31	:	1.319	:	.569	:	193	25	:	144	19	:	.749	:	.428	749	5.28
:	1989	:	149	:	71	:	12	:	205	:	36	:	2.894	:	.743	:	151	26	:	139	24	:	.918	:	.479	568	3.80
:	1990	:	137	:	150	:	26	:	136	:	24	:	.907	:	.476	:	193	34	:	78	13	:	.403	:	.287	560	4.09
:	1991	:	228	:	258	:	24	:	470	:	44	:	1.819	:	.645	:	213	20	:	120	11	:	.565	:	.361	1062	4.66
:	1992	:	176	:	197	:	21	:	532	:	57	:	2.701	:	.730	:	134	14	:	59	6	:	.444	:	.307	925	5.23
:	1993	:	140	:	160	:	27	:	177	:	30	:	1.109	:	.526	:	139	23	:	105	18	:	.761	:	.432	585	4.17
:	1994	:	190	:	215	:	25	:	344	:	40	:	1.595	:	.615	:	214	25	:	80	9	:	.374	:	.272	857	4.50
:	1995	:	191	:	262	:	45	:	206	:	35	:	.789	:	.441	:	58	10	:	47	8	:	.805	:	.446	579	3.03
:	1996	:	237	:	215	:	26	:	409	:	51	:	1.904	:	.656	:	114	14	:	60	7	:	.529	:	.346	802	3.38
:	1997	:	256	:	228	:	30	:	313	:	42	:	1.376	:	.579	:	127	17	:	75	10	:	.590	:	.371	745	2.90
:	1998	:	262	:	223	:	28	:	300	:	37	:	1.348	:	.574	:	266	33	:	0*	0*	:	.000	*	.000	* 796	3.04 *
:	1999	:	301	:	299	:	99	:	0	:	0	*	.000	*	.000	*	0	*	*	0	*	*	.000	*	.000	* 302	1.00 *
:	2000	:	245	:	0*	:	0*	:	0*	:	0*	*	.000	*	.000	*	0	*	*	0	*	*	.000	*	.000	* 2	.01 *
:	2001	:	297	:	0*	:	0*	:	0*	:	0*	*	.000	*	.000	*	0	*	*	0	*	*	.000	*	.000	* 0	.00 *
:	2002	:	216	:	0*	:	0*	:	0*	:	0*	*	.000	*	.000	*	0	*	*	0	*	*	.000	*	.000	* 0	.00 *
:	2003	:	347	:	0*	:	0*	:	0*	:	0*	*	.000	*	.000	*	0	*	*	0	*	*	.000	*	.000	* 0	.00 *

Table 2. Upper Cook Inlet Brood Tables (continued)

CRESENT RIVER SOCKEYE TOTAL RUN FROM BROOD YEAR INCLUDING ESTIMATES OF INTERCEPTION CATCHES

BROOD YEAR		RETURN BY AGE CLASS													TOTAL			
		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	3.4	TOTAL	
:	1964	:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
:	1965	:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	
:	1966	:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	99:	10956:	
:	1967	:	0:	0:	0:	0:	0:	0:	0:	0:	1032:	9825:	0:	0:	0:	0:	125:	76421:
:	1968	:	0:	0:	69:	17330:	0:	0:	31840:	1961:	0:	1184:	0:	0:	0:	0:	52384:	
:	1969	:	0:	187:	32:	7948:	0:	0:	27816:	1810:	0:	1640:	2906:	0:	0:	0:	42339:	
:	1970	:	0:	87:	0:	14864:	0:	0:	49846:	2729:	0:	1001:	10561:	0:	0:	0:	79088:	
:	1971	:	0:	0:	0:	10394:	0:	0:	60635:	3187:	0:	157:	8299:	157:	0:	0:	82829:	
:	1972	:	0:	287:	0:	15386:	0:	0:	126676:	6577:	0:	0:	12563:	0:	0:	0:	161489:	
:	1973	:	0:	273:	1566:	13153:	0:	0:	104045:	2876:	0:	87:	852:	0:	0:	0:	122852:	
:	1974	:	0:	0:	0:	10903:	0:	0:	93795:	3504:	0:	1636:	4478:	0:	0:	0:	114316:	
:	1975	:	0:	0:	0:	44443:	87:	0:	138845:	7428:	0:	106:	25257:	0:	0:	0:	216166:	
:	1976	:	0:	693:	0:	14087:	0:	0:	24751:	6195:	22:	66:	6231:	0:	0:	0:	52045:	
:	1977	:	0:	0:	0:	6580:	41:	0:	63558:	1049:	0:	365:	27587:	0:	239:	0:	99419:	
:	1978	:	0:	0:	0:	9864:	22:	0:	69478:	34364:	0:	239:	130296:	357:	0:	0:	244620:	
:	1979	:	0:	17:	121:	20070:	553:	0:	50836:	45302:	0:	723:	127608:	0:	0:	0:	245230:	
:	1980	:	0:	0:	120:	10357:	120:	0:	122319:	42455:	0:	0:	97850:	1270:	727:	0:	275218:	
:	1981	:	0:	0:	361:	14902:	567:	0:	32232:	26775:	0:	295:	87850:	102:	0:	0:	163084:	
:	1982	:	181:	257:	375:	11923:	300:	0:	109124:	12877:	0:	312:	32633:	75:	177:	177:	0:	168411:
:	1983	:	0:	0:	295:	10401:	102:	0:	81121:	24138:	0:	177:	64983:	177:	152:	33:	0:	181579:
:	1984	:	0:	0:	247:	21725:	198:	0:	57659:	2500:	0:	274:	31265:	0:	126:	0:	0:	113994:
:	1985	:	0:	0:	177:	888:	0:	0:	35581:	3502:	0:	260:	12783:	126:	0:	299:	0:	53616:
:	1986	:	0:	0:	178:	2892:	89:	0:	30792:	10021:	0:	0:	44909:	604:	83:	0:	0:	89568:
:	1987	:	0:	0:	251:	7665:	0:	0:	24822:	9931:	0:	0:	21408:	12:	80:	0:	0:	64169:
:	1988	:	0:	0:	14:	5206:	27:	0:	22569:	9189:	0:	158:	13413:	0:	0:	129:	0:	50705:
:	1989	:	0:	27:	0:	7818:	323:	0:	21774:	5382:	0:	396:	44415:	0:	270:	0:	0:	80405:
:	1990	:	0:	83:	0:	2891:	158:	0:	13252:	6760:	0:	0:	18429:	0:	132:	0:	0:	41705:
:	1991	:	80:	0:	0:	6630:	136:	0:	13449:	12646:	0:	0:	21959:	0:	0:	32:	0:	54932:
:	1992	:	0:	267:	0:	8073:	0:	0:	46249:	5405:	0:	218:	24502:	155:	73:	73:	0:	85015:
:	1993	:	0:	0:	0:	8781:	132:	0:	30742:	17597:	0:	293:	33938:	0:	0:	0:	0:	91483:
:	1994	:	0:	0:	70:	8792:	24:	0:	44945:	12183:	0:	0:	20990:	0:	141:	434:	0:	87579:
:	1995	:	0:	0:	0:	24382:	73:	0:	68215:	2098:	0:	679:	41942:	0:	127:	0:	0:	137516:
:	1996	:	0:	0:	0:	2360:	0:	0:	18961:	19102:	0:	264:	34655:	0:	110:	188:	0*	75640*
:	1997	:	0:	0:	0:	20452:	414:	0:	32955:	10942:	0:	188:	34357:	0:	0*	0*	0:	99308*
:	1998	:	0:	0:	0:	18631:	127:	0:	84151:	20649:	0:	0:	0*	0*	0*	0*	0:	123558*
:	1999	:	0:	0:	481:	22056:	625:	0*	0*	0*	0*	0*	0*	0*	0*	0*	0:	23162*
:	2000	:	0:	453:	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0:	453*
:	2001	:	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
:	2002	:	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
:	2003	:	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*

CRESENT RIVER SOCKEYE SALMON ADULT RETURN BY AGE CLASS FROM BROOD YEAR ESCAPEMENTS (IN THOUSANDS)

BROOD YEAR		ADULT RETURN													RTN PER SPawner					
BROOD YEAR	ESCAPEMENT:	1.2	%	1.3	%	1.3 / 1.2	1.3 / 1.2	1.3 / 1FW:	2.2	%	2.3	%	2.3 / 2.2	2.3 / 2.2	2FW:	TOTAL	SPawner:			
:	1964	:	0	:	0:	0	:	0.000	:	0.000	:	0:	0	:	0.000	:	0	: .00 :		
:	1965	:	0	:	0:	0	:	0.000	:	0.000	:	0:	0	:	0.000	:	0	: .00 :		
:	1966	:	0	:	0:	0	:	0.000	:	0.000	:	0:	0	:	0.000	:	1.000	: 10 :		
:	1967	:	0	:	0:	67:	87:	0.000	:	1.000	:	4:	5:	4:	6:	1.096	:	.523	: 76 : .00 :	
:	1968	:	0	:	17:	33:	31:	60:	1.837	:	.648	:	1:	3:	1:	2:	.604	:	.376	: 52 : .00 :
:	1969	:	0	:	7:	18:	27:	65:	3.500	:	.778	:	1:	4:	2:	6:	1.606	:	.616	: 42 : .00 :
:	1970	:	0	:	14:	18:	49:	63:	3.353	:	.770	:	2:	3:	10:	13:	3.870	:	.795	: 79 : .00 :
:	1971	:	0	:	10:	12:	60:	73:	5.834	:	.854	:	3:	3:	8:	10:	2.604	:	.723	: 82 : .00 :
:	1972	:	62	:	15:	9:	126:	78:	8.233	:	.892	:	6:	4:	12:	7:	1.910	:	.656	: 161 : 2.60 :
:	1973	:	29	:	13:	10:	104:	84:	7.910	:	.888	:	2:	2:	0:	0:	.296	:	.229	: 122 : 4.24 :
:	1974	:	28	:	10:	9:	93:	82:	8.603	:	.896	:	3:	3:	4:	3:	1.278	:	.561	: 114 : 4.08 :
:	1975	:	41	:	44:	20:	138:	64:	3.124	:	.758	:	7:	3:	25:	11:	3.400	:	.773	: 216 : 5.27 :
:	1976	:	51	:	14:	27:	24:	47:	1.757	:	.637	:	6:	11:	6:	11:	1.006	:	.501	: 52 : 1.02 :
:	1977	:	87	:	6:	6:	63:	63:	9.659	:	.906	:	1:	1:	27:	27:	26.298	:	.963	: 99 : 1.14 :
:	1978	:	74	:	9:	4:	69:	28:	7.044	:	.876	:	34:	14:	130:	53:	3.792	:	.791	: 244 : 3.31 :
:	1979	:	86	:	20:	8:	50:	20:	2.533	:	.717	:	45:	18:	127:	52:	2.817	:	.738	: 245 : 2.83 :
:	1980	:	90	:	10:	3:	122:	44:	11.810	:	.922	:	42:	15:	97:	35:	2.305	:	.697	: 275 : 3.03 :
:	1981	:	41	:	14:	9:	32:	19:	2.163	:	.684	:	26:	16:	87:	53:	3.281	:	.766	: 163 : 3.96 :
:	1982	:	58	:	11:	7:	109:	64:	9.152	:	.902	:	12:	7:	32:	19:	2.534	:	.717	: 168 : 2.86 :
:	1983	:	92	:	10:	5:	81:	44:	7.799	:	.886	:	24:	13:	64:	35:	2.692	:	.729	: 181 : 1.97 :
:	1984	:	118	:	21:	19:	57:	50:	2.654	:	.726	:	2:	2:	31:	27:	12.506	:	.926	: 113 : .96 :
:	1985	:	128	:	0:	1:	35:	66:	40.069	:	.976	:	3:	6:	12:	23:	3.650	:	.785	: 53 : .42 :
:	1986	:	95	:	2:	3:	30:	34:	10.647	:	.914	:	10:	11:	44:	50:	4.481	:	.818	: 89 : .94 :
:	1987	:	120	:	7:	11:	24:	38:	3.238	:	.764	:	9:	15:	21:	33:	2.156	:	.683	: 64 : .53 :
:	1988	:	57	:	5:	10:	22:	44:	4.335	:	.813	:	9:	18:	13:	26:	1.460	:	.593	: 50 : .88 :
:	1989	:	71	:	7:	9:	21:	27:	2.785	:	.736	:	5:	6:	44:	55:	8.253	:	.892	: 80 : 1.13 :
:	1990	:	52	:	2:	6:	13:	31:	4.584	:	.821	:	6:	16:	18:	44:	2.726	:	.732	: 41 : .80 :
:	1991	:	44	:	6:	12:	13:	24:	2.029	:	.670	:	12:	23:	21:	39:	1.736	:	.635	: 54 : 1.23 :
:	1992	:	58	:	8:	9:	46:	54:	5.729	:	.851	:	5:	6:	24:	28:	4.533	:	.819	: 85 : 1.46 :
:	1993	:	37	:	8:	9:	30:	33:	3.501	:	.778	:	17:	19:	33:	37:	1.929	:	.659	: 91 : 2.44 :
:	1994	:	30	:	8:	10:	4													

Table 2. Upper Cook Inlet Brood Tables (continued)

FISH CREEK SOCKEYE TOTAL RUN FROM BROOD YEAR INCLUDING ESTIMATES OF INTERCEPTION CATCHES

:BROOD YEAR		--RETURN BY AGE CLASS--																								
:BROOD YEAR		0.2	: 1.1	: 0.3	:	1.2	: 2.1	:: 0.4	: 1.3	:	2.2	: 3.1	: 1.4	:	2.3	:	3.2	: 2.4	:	3.3	:	3.4	: TOTAL			
:	1964	:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:			
:	1965	:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:			
:	1966	:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	218:	0:	0:	0:	0:	0:	0:	218:			
:	1967	:	0:	0:	0:	0:	0:	0:	13425:	157:	0:	0:	0:	0:	0:	22:	70:	0:	0:	0:	0:	0:	13674:			
:	1968	:	0:	0:	0:	5375:	0:	0:	548:	1670:	0:	0:	0:	0:	0:	54:	0:	0:	0:	0:	0:	0:	7647:			
:	1969	:	0:	94:	0:	1136:	19:	0:	283:	680:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	2212:			
:	1970	:	0:	747:	0:	4186:	75:	0:	1192:	4692:	0:	0:	0:	45:	0:	0:	0:	0:	0:	0:	0:	0:	12748:			
:	1971	:	0:15767:	0:	57225:	582:	0:	11555:	2009:	0:	0:	0:	0:	0:	0:	0:	810:	0:	0:	0:	0:	0:	0:	87948:		
:	1972	:	0: 2243:	0:	21860:	222:	0:	5814:	277:	0:	0:	140:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	30556:		
:	1973	:	0: 240:	0:	3226:	10:	0:	709:	139:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	4324:		
:	1974	:	0: 601:	0:	4649:	0:	966:	1273:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	7489:		
:	1975	:	0: 1884:	0:	107897:	0:	0:	23759:	12634:	501:	0:	437:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	147112:		
:	1976	:	0:11222:	0:	68716:	2380:	0:	37891:	4461:	0:	0:	2063:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	126733:		
:	1977	:	0: 3269:	0:	57872:	0:	0:	60502:	1314:	0:	0:	924:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	123881:		
:	1978	:	0: 875:	0:	14930:	0:	0:	4413:	6911:	0:	0:	5297:	711:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	33137:		
:	1979	:	0: 2453:	0:	278818:	609:	0:	33860:	32550:	0:	0:	2161:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	350451:		
:	1980	:	0:11644:	0:	258439:	1347:	0:	82288:	6400:	0:	157:	1551:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	361826:		
:	1981	:	0: 1391:	0:	71001:	184:	0:	24334:	11503:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	108413:		
:	1982	:	0: 4904:	0:	44339:	1084:	0:	12460:	17636:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	80423:		
:	1983	:	0: 4264:	0:	226646:	0:	0:	6208:	8383:	0:	0:	8611:	413:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	254525:	
:	1984	:	0: 8195:	0:	240602:	1075:	0:	42266:	15431:	0:	0:	17870:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	325439:	
:	1985	:	0:16344:	0:	94928:	5173:	0:	85714:	38394:	181:	0:	4177:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	244911:	
:	1986	:	0: 7537:	0:	51879:	595:	0:	24362:	7258:	0:	0:	2958:	239:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	94828:	
:	1987	:	0: 619:	0:	95480:	0:	0:	30335:	42526:	0:	0:	26720:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	195680:	
:	1988	:	0: 5742:	0:	162822:	595:	0:	150904:	69393:	0:	0:	19470:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	409931:	
:	1989	:	0: 724:	0:	192165:	1171:	0:	47906:	44086:	0:	0:	41292:	1168:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	328512:	
:	1990	:	0: 1702:	0:	103156:	2056:	0:	88323:	35308:	0:	937:	9037:	379:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	240898:	
:	1991	:	0: 6513:	0:	143627:	1794:	0:	28624:	40110:	0:	275:	9468:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	230585:	
:	1992	:	0:10634:	0:	152531:	364:	0:	45906:	10831:	0:	59:	5941:	193:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	226459:	
:	1993	:	0: 651:	0:	67020:	0:	0:	34459:	1777:	0:	113:	674:	83:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	104777:	
:	1994	:	0: 129:	225:	2750:	146:	0:	1456:	3866:	0:	0:	1380:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	9952:	
:	1995	:	0: 165:	0:	36454:	271:	0:	9490:	2531:	0:	0:	4913:	129:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	53953:	
:	1996	:	0: 3287:	0:	23087:	503:	0:	37812:	5443:	62:	0:	1007:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	71201*	
:	1997	:	287:	244:	505:	17796:	983:	0:	5991:	21719:	155:	452:	10582:	0:	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0:	58714*
:	1998	:	0: 2150:	0:	98896:	1912:	0:	82806:	17281:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	203045*	
:	1999	:	0: 3025:	0:	37323:	429:	0*	0*	0*	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	40777*	
:	2000	:	0: 269:	0*	0:	0*	0*	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	269*	
:	2001	:	0*	0*	0*	0*	0*	0:	0*	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0*	
:	2002	:	0*	0*	0*	0*	0*	0:	0*	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0*	
:	2003	:	0*	0*	0*	0*	0*	0:	0*	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0*	

FISH CREEK SOCKEYE SALMON ADULT RETURN BY AGE CLASS FROM BROOD YEAR ESCAPEMENTS (IN THOUSANDS)

:BROOD YEAR		--ADULT RETURN--																			
:BROOD YEAR		ESCAPEMENT:	1.2	%	1.3	%	1.3 /1.2	1.3 /1.2	1FW:	2.2	%	2.2	%	2.2 /2.3	%	2.3 /2.2	%	2FW:	TOTAL	SPAWNER:	
:	1964	:	0	:	0:	0:	0:	0:	.000	: .000	: 0:	0:	0:	0:	0:	0:	0:	.000	: .000	0:	.00:
:	1965	:	0	:	0:	0:	0:	0:	.000	: .000	: 0:	0:	0:	0:	0:	0:	0:	.000	: .000	0:	.00:
:	1966	:	0	:	0:	0:	0:	0:	.000	: .000	: 0:	0:	0:	0:	0:	0:	0:	.000	: .000	0:	.00:
:	1967	:	0	:	0:	0:	13:	98:	.000	: 1.000	: 0:	1:	0:	0:	0:	0:	.140:	: .123	13:	.00:	
:	1968	:	0	:	5:	70:	0:	7:	.102:	: .093	: 1:	21:	0:	0:	0:	0:	.032:	: .031	7:	.00:	
:	1969	:	0	:	1:	51:	0:	12:	.249:	: .199	: 0:	30:	0:	0:	0:	0:	.000:	: .000	2:	.00:	
:	1970	:	0	:	4:	32:	1:	9:	.285:	: .222	: 4:	36:	0:	0:	0:	0:	.010:	: .009	12:	.00:	
:	1971	:	0	:	57:	65:	11:	13:	.202:	: .168	: 2:	2:	0:	0:	0:	0:	.000:	: .000	87:	.00:	
:	1972	:	6	:	21:	71:	5:	19:	.266:	: .210	: 0:	21:	0:	0:	0:	.505:	: .336	30:	.438:		
:	1973	:	2	:	3:	74:	0:	16:	.220:	: .180:	: 0:	3:	0:	0:	0:	.000:	: .000	4:	.160:		
:	1974	:	16	:	4:	62:	0:	12:	.208:	: .172	: 1:	16:	0:	0:	0:	.000:	: .000	7:	.46:		
:	1975	:	29	:	107:	73:	23:	16:	.220:	: .180:	: 12:	8:	0:	0:	0:	.035:	: .033:	147:	.492:		
:	1976	:	14	:	68:	54:	37:	29:	.551:	: .355:	: 4:	3:	2:	1:	0:	.462:	: .316:	126:	.903:		
:	1977	:	5	:	57:	46:	60:	48:	1.045:	: .511:	: 1:	1:	0:	0:	0:	.703:	: .413:	123:	.2407:		
:	1978	:	3	:	14:	45:	4:	13:	.296:	: .228:	: 6:	20:	5:	15:	0:	.766:	: .434:	33:	.932:		
:	1979	:	68	:	278:	79:	33:	9:	.121:	: .108:	: 32:	9:	2:	0:	0:	.066:	: .062:	350:	.511:		
:	1980	:	62	:	258:	71:	82:	22:	.318:	: .242:	: 6:	1:	1:	0:	0:	.242:	: .195:	361:	.578:		
:	1981	:	50	:	71:	65:	24:	22:	.343:	: .255:	: 11:	10:	0:	0:	0:	.000:	: .000:	108:	.215:		
:	1982	:	28	:	44:	55:	12:	15:	.												

Table 2. Upper Cook Inlet Brood Tables (continued)

ALL UCI RIVER SOCKEYE TOTAL RUN FROM BROOD YEAR INCLUDING ESTIMATES OF INTERCEPTION CATCHES

: BROOD YEAR		-RETURN BY AGE CLASS-													
: 0.2	: 1.1	: 0.3	: 1.2	: 2.1	:: 0.4	: 1.3	: 2.2	: 3.1	: 1.4	: 2.3	: 3.2	: 2.4	: 3.3	: 3.4	: TOTAL
:	1964	:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	1965	:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	3666:	236:	0:
:	1966	:	0:	0:	0:	0:	0:	0:	0:	9742:	264399:	3165:	2975:	9:	1567:
:	1967	:	0:	0:	0:	0:	0:	712551:	166869:	0:	10110:	134957:	106:	72:	0:
:	1968	:	0:	0:	108:	307913:	1703:	0:	862153:	86388:	0:	707:	78209:	0:	0:
:	1969	:	0:	1267:	7672:	110631:	5217:	0:	458639:	93219:	0:	5391:	88774:	863:	533:
:	1970	:	348:	4257:	0:	190655:	5510:	0:	435689:	231446:	0:	1879:	221172:	7337:	518:
:	1971	:	0:	18626:	0:	265158:	7189:	0:	936947:	412629:	0:	7810:	350962:	803:	810:
:	1972	:	0:	9086:	0:	853986:	14895:	0:	2322599:	330214:	195:	910:	198967:	0:	0:
:	1973	:	0:	18920:	12628:	397220:	2655:	0:	2533801:	157318:	0:	567:	62454:	0:	124:
:	1974	:	466:	5964:	0:	514584:	8776:	0:	797166:	176504:	440:	4344:	261648:	525:	0:
:	1975	:	0:	5377:	14496:	721359:	1222:	0:	1211044:	276659:	501:	1146:	133309:	0:	0:
:	1976	:	2921:	25621:	0:	932380:	6966:	0:	1916397:	174609:	844:	4840:	306736:	0:	880:
:	1977	:	0:	41919:	0:	488980:	2492:	0:	3597712:	141734:	104:	24174:	473697:	0:	2687:
:	1978	:	0:	2693:	0:	455750:	1554:	673:	4328640:	236145:	0:	38592:	582655:	6108:	3649:
:	1979	:	0:	11542:	75982:	1340240:	6121:	74:	1471951:	378344:	0:	22930:	551419:	5044:	3289:
:	1980	:	6223:	19631:	51190:	938945:	5720:	749:	3040498:	606723:	91:	19574:	845269:	2708:	727:
:	1981	:	2780:	7995:	48720:	1437961:	5750:	105:	2979697:	632341:	1033:	9964:	952880:	371:	3838:
:	1982	:	10356:	22089:	54429:	1550520:	3877:	2172:	9011242:	658397:	0:	26986:	1100365:	513:	8555:
:	1983	:	6170:	4265:	55924:	1430271:	1111:	0:	5540810:	632851:	0:	46997:	3847939:	648:	11919:
:	1984	:	4983:	10105:	20077:	1160018:	9734:	0:	2055106:	971990:	6277:	25013:	1233538:	8019:	693:
:	1985	:	5843:	20156:	30065:	524803:	23660:	1268:	2485698:	490968:	181:	7701:	559965:	800:	2755:
:	1986	:	12783:	14863:	50536:	676921:	3318:	2555:	1637516:	375592:	0:	11641:	1109853:	1132:	11604:
:	1987	:	6670:	6342:	73659:	981873:	3922:	0:	8491242:	682548:	0:	105444:	2583242:	1090:	15430:
:	1988	:	3035:	6795:	30663:	556148:	7788:	0:	2261626:	633741:	438:	20334:	947260:	2326:	4087:
:	1989	:	5218:	3035:	63108:	740021:	61207:	1126:	3114464:	753555:	1133:	23483:	1335154:	3059:	16073:
:	1990	:	4747:	5100:	34774:	561137:	13585:	0:	1480206:	499754:	0:	12463:	564198:	2394:	3390:
:	1991	:	5488:	11292:	39376:	1122436:	20428:	0:	3615560:	590997:	1413:	18535:	936166:	2785:	3211:
:	1992	:	6254:	15344:	22297:	778633:	10333:	0:	4375247:	311957:	0:	20434:	440638:	2952:	4552:
:	1993	:	8495:	1612:	89619:	658528:	5920:	30:	1326801:	364442:	1269:	19844:	557801:	13102:	5947:
:	1994	:	3943:	1884:	25016:	733582:	61978:	0:	2406875:	678212:	1400:	17246:	502444:	8431:	1044:
:	1995	:	3409:	4123:	36717:	816926:	14037:	0:	1613438:	220990:	479:	16029:	415934:	1177:	2588:
:	1996	:	9186:	3287:	35778:	503603:	22230:	0:	2205279:	305324:	62:	27784:	405344:	2586:	2566:
:	1997	:	1214:	1991:	21604:	538146:	16237:	0:	2773275:	476910:	1104:	19343:	1074602:	203:	0*
:	1998	:	1991:	7839:	18113:	1066043:	16767:	982:	3596160:	604976:	1004:	0:	0*	0*	0*
:	1999	:	5302:	5540:	33447:	866215:	7710:	0*	0*	0*	0*	0*	0*	0*	0*
:	2000	:	7490:	4562:	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
:	2001	:	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
:	2002	:	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
:	2003	:	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*

ALL UCI RIVER SOCKEYE SALMON ADULT RETURN BY AGE CLASS FROM BROOD YEAR ESCAPEMENTS (IN THOUSANDS)

: BROOD YEAR		-ADULT RETURN-												+RTN PER+ : SPAWNER:	
: BROOD YEAR		: ESCAPEMENT: 1.2 : %: 1.3 : %: 1.3 /1.2 : 1.3 /1FW: 2.2 : %: 2.3 : %: 2.3 /2.2 : 2.3 /2FW: TOTAL : SPAWNER:													
:	1964	:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	1965	:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	1966	:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	1967	:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:	0:
:	1968	:	0:	307:	23:	862:	64:	2.800:	0:	737:	86:	6:	78:	5:	.905:
:	1969	:	0:	110:	14:	458:	59:	4.146:	0:	806:	93:	12:	88:	11:	.952:
:	1970	:	0:	190:	17:	435:	39:	2.285:	0:	696:	231:	21:	221:	20:	.956:
:	1971	:	0:	265:	13:	936:	46:	3.534:	0:	779:	412:	20:	350:	17:	.851:
:	1972	:	575:	853:	22:	2322:	62:	2.720:	0:	731:	330:	8:	198:	5:	.603:
:	1973	:	545:	397:	12:	2533:	79:	6.379:	0:	864:	157:	4:	62:	1:	.397:
:	1974	:	330:	514:	29:	797:	45:	1.549:	0:	608:	176:	9:	261:	14:	1.482:
:	1975	:	355:	721:	30:	1211:	51:	1.679:	0:	627:	276:	11:	133:	5:	.482:
:	1976	:	766:	932:	27:	1916:	56:	2.055:	0:	673:	174:	5:	306:	9:	1.757:
:	1977	:	1320:	488:	10:	3597:	75:	7.358:	0:	880:	141:	2:	473:	9:	3.342:
:	1978	:	733:	455:	8:	4328:	76:	9.498:	0:	905:	236:	4:	582:	10:	2.467:
:	1979	:	818:	1340:	34:	1471:	38:	1.098:	0:	523:	378:	9:	551:	14:	1.457:
:	1980	:	1081:	938:	16:	3040:	54:	3.238:	0:	764:	606:	10:	845:	15:	1.393:
:	1981	:	1209:	1437:	23:	2979:	48:	2.072:	0:	674:	632:	10:	952:	15:	1.507:
:	1982	:	1170:	1550:	12:	9011:	72:	5.812:	0:	853:	658:	5:	1100:	8:	1.671:
:	1983	:	1317:	1430:	12:	5540:	47:	3.874:	0:	795:	632:	5:	3847:	33:	6.080:
:	1984	:	1289:	1160:	21:	2055:	37:	1.772:	0:	639:	971:	17:	1233:	22:	1.269:
:	1985	:	1527:	524:	12:	2485:	59:	4.736:	0:	826:	490:	11:	559:	13:	1.141:
:	1986	:	1134:	676:	17:	1637:	41:	2.419:	0:	708:	375:	9:	1109:	28:	2.955:
:	1987	:	2265:	981:	7:	8491:	65:	8.648:	0:	896:	682:	5:	2583:	19:	3.785:
:	1988	:	1455:	556:	12:	2261:	50:	4.067:	0:	803:	633:	14:	947:	21:	1.495:
:	1989	:	2114:	740:	12:	3114:	50:	4.209:	0:	808:	753:	12:	1335:	21:	1.772:
:	1990	:	1184:	561:	17:	1480:	46:	2.638:	0:	725:	499:	15:	564:	17:	1.129:
:	1991	:	1129:	1122:	17:	3615:	56:	3.221:	0:	763:	590:	9:	936:	14:	1.584:
:	1992	:	1418:	778:	12:	4375:	73:	5.619:	0:	849:	311:	5:	440:	7:	1.412:
:	1993	:	1450:	658:	21:	1326:	43:	2.015:	0:	668:	364:	11:	557:	18:	1.531:
:	1994	:	1696:	733:	16:	2406:	54:	3.281:	0:	766:	678:	15:	502:	11:	.741:
:	1995	:	1289:	816:	25:	1613:	51:	1.975:	0:	664:	220:	7:	415:	13:	1.882:
:	1996	:	1322:	503:	14:	2205:	62:	4.379:	0:	814:	305:	8:	405:	11:	1.328:
:	1997	:	1854:	538:	10:	2773:	56:	5.153:	0:	837:	476:	9:	1074:	21:	2.253:
:	1998	:	1373:	1066:	20:	3596:	67:	3.373:	0:	771:	604:	11:	0:	0:	.000 * .000 *
:	1999	:	1393:	866:	94:	0:	0 *:	0.000 *:	0.000 *:	0 *:	0 *:	0 *:	0.000 *:	0.000 *:	.918 * .66 *
:	2000	:	1155:	0 *:											

Table 3. Summary of historical fishery statistics for Kenai River late run sockeye salmon, 1981-2002

Year			Sockeye Salmon of Kenai Origin																
	Total Sockeye Salmon Return ^a	Total Sockeye of Kenai Origin ^b	Sport Harvest ^d				Sport Harvest ^d				Sport Harvest				TOTAL				
			Commercial Harvest	PU/Sub Harvest ^c	Cook Inlet to Sonar	Inriver Sonar	Sonar to Bridge	Bridge to Moose R.	Moose R. to Skilak	Hidden PU	Hidden Esc.	Skilak L. & Hidden ^e	Skilak to Kenai L.	Russian R	Russian Spawners	MAINSTREAM SPAWNERS ^f	TOTAL SPAWNERS ^g	TOTAL WILD SPAWNERS ^h	Hidden Enhanced Esc. ⁱ
1981	2,720,470	914,069	511,436	149	3,116	407,639	2,154	5,336	4,266	15,939		4,849	23,720	44,523	306,852	367,314	359,345	7,970	43,590
1982	4,519,972	2,541,941	1,915,462	0	6,924	619,831	4,786	14,829	12,136	9,790		11,432	10,320	30,800	525,738	566,328	566,069	259	60,427
1983	6,512,406	3,642,386	2,990,905	7,562	13,577	630,340	9,383	22,454	15,180	11,297		10,672	16,000	33,734	511,620	556,651	556,651	0	94,828
1984	3,487,626	1,049,803	702,617	0	2,613	344,571	1,806	2,183	2,300	27,784		6,800	21,970	92,659	189,069	309,512	309,512	0	37,672
1985	5,755,979	2,151,134	1,638,676	805	8,834	502,820	6,106	13,025	13,299	24,784		15,948	58,410	136,969	234,279	396,032	396,032	0	116,427
1986	6,103,277	2,691,786	2,187,313	0	12,522	501,157	8,655	13,846	13,533	17,530		23,842	30,810	40,281	352,660	410,471	402,136	8,335	103,208
1987	12,138,146	8,607,829	6,969,832	24,090	50,274	1,596,870	34,746	65,841	39,926	43,487		50,032	40,575	53,932	1,268,331	1,365,750	1,336,785	28,965	305,484
1988	8,521,191	5,749,463	4,725,828	16,880	29,345	1,021,469	20,282	43,494	29,178	50,907		30,452	19,536	42,476	785,144	878,527	840,209	38,318	189,167
1989	7,548,698	5,861,429	4,144,114	51,192	66,163	1,599,959	45,727	90,550	45,844	7,770		28,942	55,210	138,377	1,187,539	1,333,686	1,333,686	0	383,628
1990	5,002,419	2,686,257	2,075,296	3,477	19,638	659,520	13,572	37,199	22,083	77,959		28,291	56,175	83,434	340,807	502,200	440,602	61,598	180,435
1991	3,655,022	1,663,248	1,087,862	19,203	31,536	647,597	21,795	56,059	24,768	77,060		27,444	31,449	78,175	295,115	409,022	378,208	30,814	289,314
1992	10,902,636	7,719,862	6,663,370	39,136	47,622	994,798	32,913	85,942	40,617	32,912	1,512	35,398	26,101	63,478	675,925	772,315	753,468	18,847	309,241
1993	6,472,471	3,905,243	3,036,604	34,059	27,717	813,617	19,156	41,466	18,724	11,582	958	30,116	26,722	99,259	565,634	676,475	670,841	5,634	198,918
1994	5,482,341	3,386,698	2,337,246	32,232	15,085	1,003,446	15,278	24,307	12,374	6,085	486	26,572	26,375	122,277	769,692	898,054	895,799	2,255	152,709
1995	4,551,016	2,292,131	1,585,815	51,170	29,386	630,447	20,420	38,602	17,606	7,542	260	19,414	11,805	61,982	452,816	522,340	517,396	4,944	188,663
1996	5,624,601	3,160,937	2,283,382	104,110	39,721	794,335	27,603	51,866	29,391	55,526	532	37,710	19,136	34,691	537,880	628,097	581,216	46,881	310,069
1997	6,410,658	3,873,685	2,699,996	116,107	43,545	1,064,818	30,260	56,784	23,626	56,053	636	22,918	12,910	65,905	795,726	917,684	878,140	39,544	306,786
1998	2,991,563	1,471,414	636,786	105,497	33,904	767,558	23,560	61,763	24,315	67,727	513	20,994	25,110	113,477	430,099	611,303	559,920	51,383	295,656
1999	4,564,119	2,499,202	1,548,644	150,993	45,940	803,379	31,925	61,344	27,569	49,406	859	33,796	32,335	139,863	426,282	615,551	582,907	32,644	384,761
2000	2,935,346	1,440,064	704,276	99,571	57,848	624,578	40,200	74,132	30,825	45,685	567	27,978	30,229	56,580	318,382	420,647	393,154	27,493	361,350
2001	3,537,992	1,840,567	1,027,089	152,579	51,259	650,036	35,621	73,841	19,616	42,462	195	20,425	18,550	74,963	364,363	481,788	457,760	24,028	372,086
2002	4,802,183	2,947,382	1,825,789	182,229	46,589	957,924	33,065	81,304	23,989	71,983	1,967	40,970	31,999	62,115	610,532	744,630	700,549	44,081	442,112
*2003	6,219,919	3,731,932	2,308,253	187,526	65,000	1,181,309	34,000	85,000	27,000	11,734	1,500	44,000	45,000	157,469	775,606	944,809	938,445	6,364	489,026

* Preliminary using estimates of sport harvests

^a Total Upper Cook Inlet return includes all harvests and escapements.

^b Total Sockeye of Kenai Origin includes Commercial Harvest, Pu/Subsistence Harvest, Sport Harvest below the Sonar Site, and Inriver Sonary count.

^c PU/Sub Harvest includes Kenai River personal use dipnet and/or gillnet harvests and Kenaitze fishery.

^d Sport Harvest numbers from Alaska statewide sport fish harvest series. Harvests above and below sonar site separated based on sport fish study indicating 59% of the harvest from Cook Inlet to the Soldotna bridge is caught below the sonar site at Mile 19.5.

^e Moose River harvest added in 1998. Funny River added in 2001.

^f TOTAL MAINSTREAM SPAWNERS equals Total Spawners minus Hidden Lake escapement and Russian River escapement.

^g TOTAL SPAWNERS equals the Kenai Inriver Sonar minus sport caught fish above the sonar site.

^h TOTAL WILD SPAWNERS equal Total Spawners minus Hidden Lake enhanced.

ⁱ Hidden Creek escapement minus egg take mortalities.

^j TOTAL NON-COMMERCIAL HARVEST equals all sport caught, PU and subsistence harvests above and below the sonar site.

Table 4. Summary of Hidden Lake sockeye enhanced escapement, commercial harvest and total return by age composition 1978-2002.

Return Year	Otolith/Cost Recovery ^a	Hidden Esc			Hatchery Proportion			Hidden Enhanced Esc			Exploitation Rate c			Escapement (E)			Calculated Total Return			Commercial Harvest (C)			Calculated			Enhanced			Total All Other Harvets (O)			Hidden Lake Enhanced Total Return		
		Hidden	Spawners	Mortalities ^b	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Total					
1978	0	4,647	200	4,447	0	0					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34,348					
1979	0	5,762	0	5,762	0	0					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17,528					
1980	0	27,488	0	27,488	0.53	14,569	0.569	0.695	0.636	13,403	146	1,020	31,068	478	2,802	16,948	324	1,727	717	8	55	0	0	0	717	8	55	31,068	478	2,802	34,348			
1981	0	15,939	0	15,939	0.5	7,970	0.531	0.587	0.592	6,216	1,195	558	13,266	2,895	1,368	6,814	1,654	789	236	45	21	0	0	0	236	45	21	13,266	2,894	1,368	17,528			
1982	0	9,790	1,152	8,638	0.03	259	0.713	0.770	0.709	181	60	18	631	259	62	438	195	43	12	4	1	24	8	2	36	12	3	655	267	64	987			
1983	0	11,297	1,278	10,019	0	0					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
1984	0	27,784	2,620	25,164	0	0					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
1985	0	24,784	4,660	20,124	0	0					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
1986	0	17,530	3,160	14,370	0.58	8,335	0.795	0.844	0.856	7,084	750	500	34,494	4,814	3,484	26,670	3,986	2,932	740	78	52	1558	165	110	2,298	243	162	36,052	4,979	3,594	44,624			
1987	0	43,487	4,868	38,619	0.75	28,964	0.724	0.841	0.816	27,806	869	290	100,656	5,465	1,574	68,748	4,468	1,242	4103	128	43	3505	110	37	7,608	238	80	104,162	5,575	1,612	111,348			
1988	0	50,907	1,782	49,125	0.78	38,318	0.792	0.843	0.892	36,018	1,533	766	173,083	9,732	7,100	131,665	7,969	6,219	5399	230	115	1307	56	28	6,706	286	143	174,389	9,788	7,128	191,304			
1989	0	7,770	1,294	6,476	0	0																			0	-	-	0	0	0				
1990	0	77,959	1,912	76,047	0.81	61,598	0.613	0.828	0.674	52,974	1,232	7,392	136,764	7,147	22,705	75,124	5,713	14,104	8,666	202	1,209	1,332	31	186	9,998	233	1,395	138,096	7,178	22,891	168,165			
1991	77,060	35,732	2,238	33,494	0.92	30,814	0.688	0.773	0.743	27,733	2,157	924	88,930	9,483	3,598	40,728	6,629	2,306	20,469	697	368	65,659	5,107	2,189	86,128	5,804	2,557	154,589	14,590	5,787	174,965			
1992	0	32,912	2,014	30,898	0.61	18,848	0.827	0.901	0.813	15,455	2,450	942	89,489	24,728	5,035	68,325	21,554	3,812	5,709	725	280	1,007	160	61	6,716	885	341	90,496	24,889	5,095	120,480			
1993	0	11,582	1,868	9,714	0.58	5,634	0.696	0.829	0.806	4,507	507	620	14,829	2,974	3,198	9,410	2,369	2,458	913	98	121	867	98	119	1,780	196	240	15,697	3,072	3,318	22,085			
1994	51	6,085	2,058	4,027	0.56	2,255	0.662	0.733	0.640	1,353	699	203	4,008	2,623	564	2,505	1,850	339	150	74	21	691	357	104	841	431	125	4,699	2,980	667	8,346			
1995	54	7,542	1,655	5,887	0.84	4,945	0.685	0.790	0.761	3,115	593	1,236	9,893	2,828	5,169	5,882	2,064	3,577	896	171	355	876	167	348	1,771	337	703	10,768	2,994	5,516	19,278			
1996	0	55,526	1,640	53,886	0.87	46,881	0.749	0.795	0.800	38,911	3,282	4,688	154,959	16,040	23,490	101,736	11,552	17,077	14,312	1,207	1,724	1184	100	143	15,496	1,307	1,867	156,143	16,141	23,632	195,916			
1997	0	56,053	1,883	54,170	0.73	39,544	0.696	0.762	0.768	30,449	7,118	1,977	100,039	29,937	8,534	60,937	20,797	5,995	8,653	2,023	562	1058	247	69	9,711	2,270	631	101,097	30,185	8,603	139,885			
1998	0	67,727	1,852	65,875	0.78	51,383	0.551	0.614	0.611	42,647	7,194	1,541	95,064	18,616	3,959	36,227	8,692	1,832	16,189	2,731	585	1055	260	130	17,244	2,991	715	96,118	18,877	4,088	119,084			
1999	585	49,406	2,096	47,310	0.69	32,644	0.718	0.755	0.690	29,053	1,959	1,632	102,876	7,998	5,267	60,243	5,124	2,872	13,580	915	763	1350	333	166	14,930	1,248	929	104,226	8,331	5,433	117,990			
2000	773	45,685	1,342	44,343	0.62	27,493	0.644	0.700	0.646	22,522	2,334	2,637	63,184	7,786	7,455	26,404	3,975	3,149	14,258	1,478	1,669	1074	111	126	15,332	1,589	1,795	64,258	7,898	7,581	79,737			
2001	688	42,462	1,034	41,428	0.58	24,028	0.713	0.735	0.676	15,138	4,806	4,085	52,731	18,122	12,624	27,910	10,243	5,927	9,683	3,074	2,613	629	200	170	10,312	3,274	2,783	53,360	18,323	12,795	84,478			
2002	888	71,983	884	71,099	0.62	44,081	0.692	0.754	0.693	32,179	7,935	3,967	104,399	32,240	12,913	57,642	20,711	7,149	14,578	3,595	1,797	802	198	99	15,380	3,793	1,896	105,201	32,439	13,012	150,652			
*2003	349	11,734	742	10,992	0.58	6,364	0.681	0.783	0.721	4,455	1,527	382	13,956	7,045	1,369	7,331	4,774	801	2,170	744	186	442	152	38	2,612	896	224	14,398	7,197	1,407	23,002			

^apreliminary^bbelow weir

b fish used for egg takes

c based on exploitation rate of Kenai River sockeye from Skilak Lake to Cook Inlet.

Table 5. Historic sockeye salmon total returns in Upper Cook Inlet, Alaska, 1976-2003.

	Susitna	Kenai	Kasilof	Crescent	Hidden Enhanced	Fish Creek	"Other"	Unallocated	Total Return
1976	318,792	1,234,347	464,871	91,043	0	35,931	323,314	0	2,468,298
1977	496,245	1,916,814	443,500	156,585	0	9,928	406,950	2,245	3,432,267
1978	310,127	1,986,679	582,084	130,387	0	10,142	402,935	0	3,422,354
1979	298,277	654,093	342,742	143,461	0	121,358	242,819	0	1,802,750
1980	396,082	1,217,171	454,176	166,474	34,348	111,259	355,951	953	2,736,414
1981	682,974	914,069	602,180	62,952	17,528	101,536	339,231	0	2,720,470
1982	567,730	2,541,941	720,908	80,807	987	81,262	526,233	104	4,519,972
1983	548,987	3,642,386	1,070,297	152,538	0	303,319	794,651	228	6,512,406
1984	671,758	1,049,803	686,173	237,866	0	333,595	508,265	166	3,487,626
1985	603,303	2,151,134	1,808,625	309,373	0	166,938	716,606	0	5,755,979
1986	721,442	2,691,786	1,717,181	170,725	44,624	87,232	667,607	2,680	6,103,277
1987	449,475	8,607,829	1,243,144	221,773	111,348	264,937	1,239,068	572	12,138,146
1988	360,178	5,749,463	948,703	160,449	191,304	272,612	838,482	0	8,521,191
1989	287,911	5,861,429	633,845	126,915	0	174,359	464,239	0	7,548,698
1990	773,192	2,686,257	511,255	73,966	168,165	195,252	594,135	197	5,002,419
1991	483,297	1,663,248	689,254	62,024	174,965	137,019	444,931	284	3,655,022
1992	490,710	7,719,862	1,078,573	85,839	120,480	240,200	1,166,972	0	10,902,636
1993	702,795	3,905,243	710,692	61,486	22,085	442,055	628,115	0	6,472,471
1994	560,994	3,386,698	653,113	43,935	8,346	223,188	605,634	433	5,482,341
1995	590,708	2,292,131	728,691	71,984	19,278	323,151	525,073	0	4,551,016
1996	426,269	3,160,937	958,461	52,867	195,916	232,633	597,518	0	5,624,601
1997	617,800	3,873,685	947,283	82,658	139,885	133,629	615,718	0	6,410,658
1998	358,195	1,471,414	597,100	82,132	119,083	45,890	317,749	0	2,991,563
1999	384,131	2,500,919	930,097	115,960	117,990	46,204	468,817	0	4,564,118
2000	414,352	1,440,064	562,923	93,663	79,737	37,522	307,085	0	2,935,346
2001	278,815	1,840,567	803,617	102,125	84,478	69,793	354,223	0	3,533,618
2002	279,906	2,947,382	733,817	97,701	150,651	132,705	460,021	0	4,802,183
*2003	607,099	3,732,120	946,241	163,258	23,002	149,142	598,852	203	6,219,917
average	488,627	2,958,553	806,055	121,462	65,150	160,100	553,971	288	5,154,206

*preliminary data

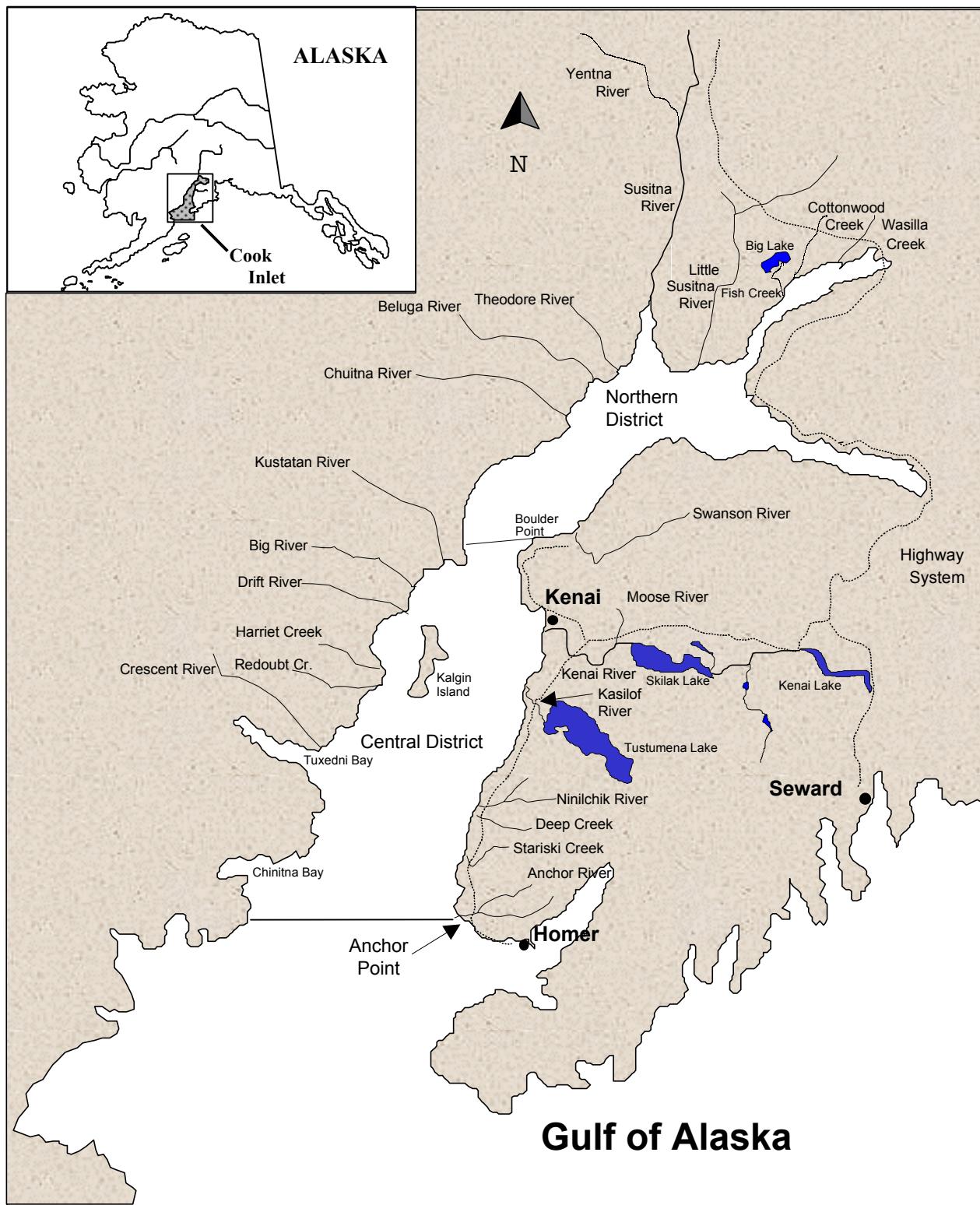


Figure 1. Map of Upper Cook Inlet showing locations of the Northern and Central Districts and the primary salmon spawning drainages.

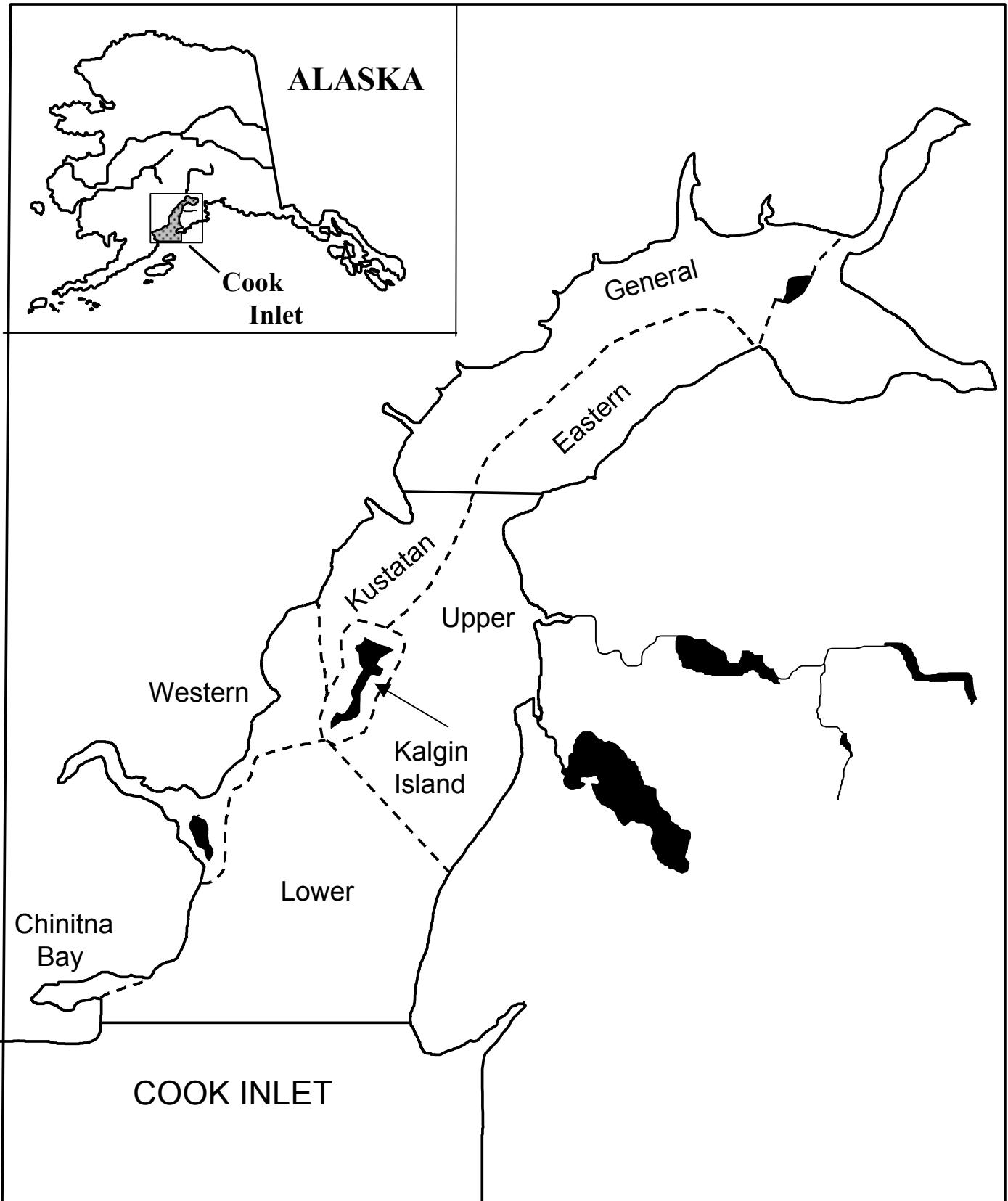


Figure 2. Upper Cook Inlet commercial fisheries subdistrict fishing boundaries.

NORTHERN DISTRICT

GENERAL

- 247-10 Trading Bay
- 247-20 Tyonek
- 247-30 Beluga
- 247-41 Susitna Flats
- 247-42 Pt. Mackenzie
- 247-43 Fire Island
- 247-50 Knik
- 247-60 Turnagain

EASTERN

- 247-70 Pt. Possession
- 247-80 Birch Hill
- 247-90 #3 Bay

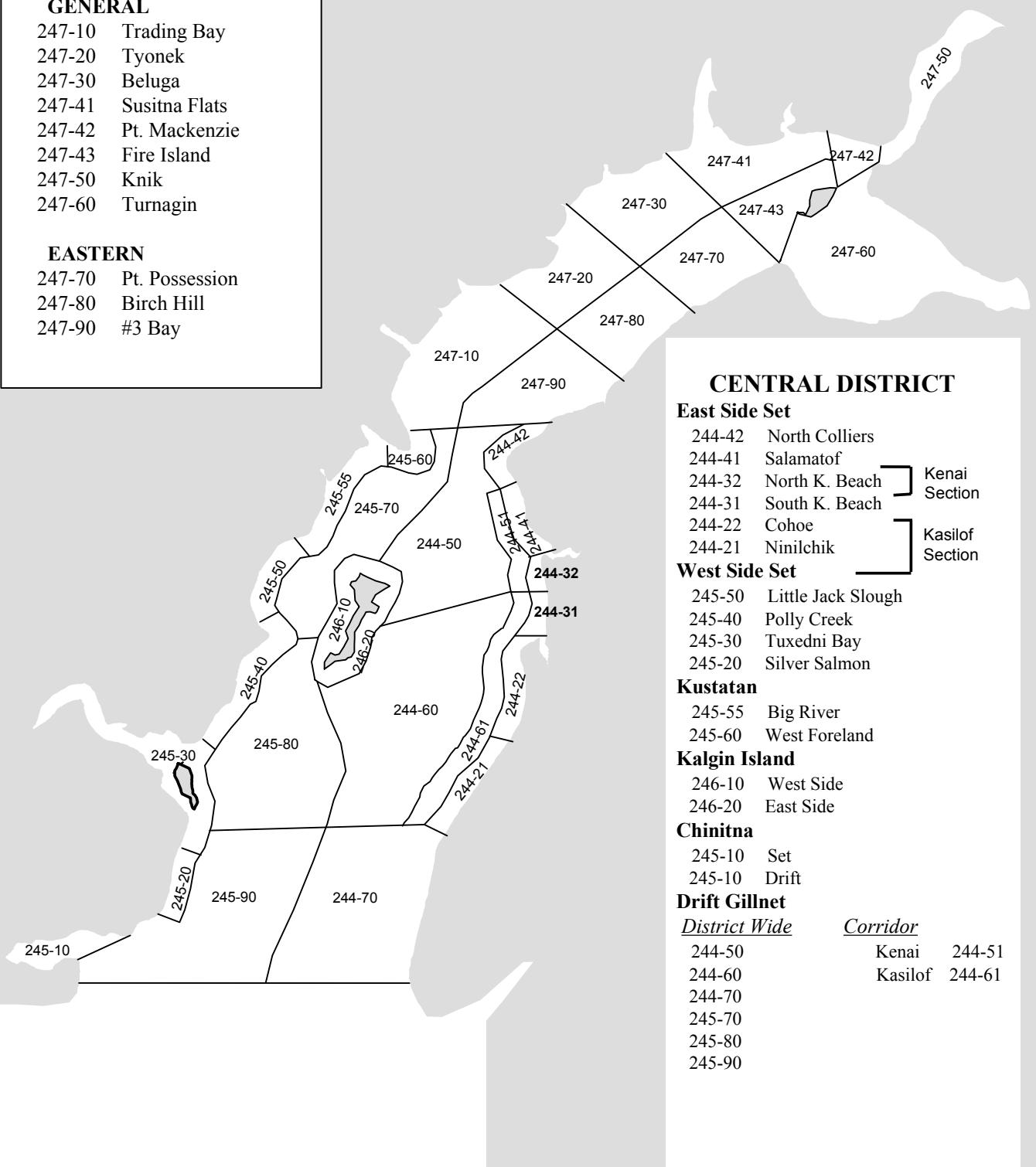


Figure 3. Map of Upper Cook Inlet showing the commercial fishing statistical areas.

Appendix A. Escapement and harvest estimates and age composition data used to estimate total return by river system.

Upper Cook Inlet Total Return Worksheet

1998

Escapement	Commercial Harvest	Subsistence/PU Harvest	Sport Harvest
Susitna 233,265	Drift 3/ 599,202	Tyonek 163	Susitna River 7,930
Sunshine 1/ 113,642	Salamatof 119,890	General 0	eastsideside 5,859
Yentna 119,623	Kalifornsky 158,472	Kasiloc dip net 45,161	westside 2,071
Kenai 767,558	Cohoe/Ninilchik 233,671	Kasiloc gill net 15,975	Kenai River 190,159
Kasiloc 273,213	Western 19,874	Western 0	mainstem below sonar 33,904
Crescent 62,257	Kustatan 4/ 3,765	Kenai dip net 103,847	mainstem above sonar 130,632
Fish Creek 22,865	Kalgin Island 23,273	Kenai gillnet 0	Russian River 25,110
Other 2/ 203,874	Chinitna Bay 5/ 163	Kenaitze 1,650	other Hidden 513
	General- Knik Arm 39,717	Kalgin 0	Kasiloc River 3,449
	Eastern 18,332	Fish dip net 4,036	mainstem below sonar 2,587
	Knik Arm 2,597	Fish gill net 0	mainstem above sonar 862
		Kustatan 0	Crescent River 0
		Eastern 0	Fish Creek 154
		Knik 0	Packers Creek 0
		Other combined UCI 0	Cottonwood Creek 2,906
		Upper Yentna 495	Knik Arm 2,419
			Anchorage Area 908
Total 1,563,032	Total 1,218,956	Total 171,327	West Cook Inlet north 1,376
			South 1,596
			Other Kenai Peninsula 1,508
			Other Saltwater Anchorage 363
			Kenai Pen./West Cook Inlet 848
			Knik Arm 20
			Total 175,760
			below sonar/weir 37,876

Footnotes and sources of information:

Escapement:

1/ Sunshine estimate derived by using mean ratio of Sunshine on Yentna escapement 1981-85.

$$Y = 0.95 * X$$

where Y = Sunshine and

X = Yentna.

2/ Other represents 15% of total monitored escapement - drift age composition used.
assume an added 15% for unmonitored escapements for weighting escapement age composition.

Commercial Harvest	1,219,000
Spawners	1,373,000
Other Harvests	399,000
Total Return	2,992,000

Commercial Harvest:

3/ Drift represents all substatistical harvest areas with Drift gillnet except Chinitna Bay.

4/ Kustatan - age composition of General Subdistrict westside used.

5/ Chinitna - age composition of drift used.

Subsistence and Personal Use harvests:

Age composition of nearest river used.

References:

Escapement, Commercial Harvest & Egg Takes:

Fandrei, 1998

Tobias and Tarbox 1999

Subsistence and Personal Use harvests:

Ruesch and Shields 1999

Sport Harvest estimates:

Howe et al. 2000. Revised edition. Statewide Harvest Survey database.

Summary worksheet for entering escapement age composition (proportions).

60 Summary worksheet for entering commercial harvest age composition (proportions).

Summary worksheet calculating total escapement by age class

River System	Escapement	Total															
		0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	233,265	1,703	793	13,366	36,693	0	0	146,187	9,331	0	630	24,563	0	0	0	233,265	
Sunshine	113,642	830	386	6,512	17,876	0	0	71,219	4,546	0	307	11,966	0	0	0	113,642	
Yentna	119,623	873	407	6,854	18,817	0	0	74,968	4,785	0	323	12,596	0	0	0	119,623	
Kenai	767,558	0	2,226	0	208,315	50,429	0	312,550	73,455	1,075	9,901	106,384	1,075	1,075	1,075	767,558	
Kasilof	273,213	328	328	0	108,384	1,585	0	76,827	60,571	0	956	24,234	0	0	0	273,213	
Crescent	62,257	0	0	0	6,151	0	0	27,729	6,257	0	218	21,902	0	0	0	62,257	
Fish Creek	22,865	0	110	110	1,468	37	0	17,252	917	0	37	2,790	73	0	73	22,865	
Other	203,874	224	0	2,181	37,798	0	0	106,239	19,878	0	999	35,658	102	367	428	0	203,874
Total	1,563,032	2,255	3,457	15,657	398,809	52,050	0	686,784	170,409	1,075	12,741	215,529	1,250	1,442	1,576	0	1,563,032

Summary worksheet calculating total commercial harvest by age composition.

Fishery	Harvest	Commercial															
		0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Drift	599,202	659	0	6,411	111,092	0	0	312,244	58,422	0	2,936	104,800	300	1,079	1,258	0	599,202
Salamatof	119,890	24	0	132	18,379	24	0	69,680	8,308	0	839	21,892	276	216	120	0	119,890
Kalifornsky	158,472	0	0	0	51,694	111	0	55,941	29,175	0	1,014	20,221	95	222	0	0	158,472
Cohoe/Ninilchik	233,671	187	0	374	69,984	117	0	80,173	47,903	0	771	33,602	397	23	140	0	233,671
Western	19,874	0	0	70	2,641	24	0	3,013	11,340	0	0	2,600	155	0	32	0	19,874
Kustatan	3,765	8	0	168	486	0	3	2,226	181	0	8	682	0	3	0	0	3,765
Kalgin Island	23,273	0	0	163	1,743	0	0	8,285	5,613	0	0	7,087	109	0	272	0	23,273
Chinitna Bay	163	0	0	2	30	0	0	85	16	0	1	29	0	0	0	0	163
General	39,717	87	0	1,767	5,131	0	28	23,481	1,914	0	87	7,193	0	28	0	0	39,717
Eastern	18,332	108	150	216	9,644	108	0	4,215	2,924	0	0	816	150	0	0	0	18,332
Knik Arm	2,597	0	12	12	167	4	0	1,959	104	0	4	317	8	0	8	0	2,597
Total	1,218,956	1,074	163	9,315	270,993	388	30	561,301	165,901	0	5,661	199,237	1,491	1,570	1,831	0	1,218,956

Summary Worksheet for entering age compositon for Pu, subsistence, sport harvest, broodstock and cost recovery components.

		0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total	
Susitna River																		
PU Yentna		495	0.0073	0.0034	0.0573	0.1573	0.0000	0.0000	0.6267	0.0400	0.0000	0.0027	0.1053	0.0000	0.0000	0.0000	1.0000	
PU (Tyonek, General, Kustatan)		163	0.0073	0.0034	0.0573	0.1573	0.0000	0.0000	0.6267	0.0400	0.0000	0.0027	0.1053	0.0000	0.0000	0.0000	1.0000	
eastside sport		5,859	0.0073	0.0034	0.0573	0.1573	0.0000	0.0000	0.6267	0.0400	0.0000	0.0027	0.1053	0.0000	0.0000	0.0000	1.0000	
westside sport		2,071	0.0073	0.0034	0.0573	0.1573	0.0000	0.0000	0.6267	0.0400	0.0000	0.0027	0.1053	0.0000	0.0000	0.0000	1.0000	
Kenai River																		
PU & Sub (includes Eastern)		105,497	0.0000	0.0029	0.0000	0.2714	0.0657	0.0000	0.4072	0.0957	0.0014	0.0129	0.1386	0.0014	0.0014	0.0014	0.0000	1.0000
mainstem below sonar		33,904	0.0000	0.0029	0.0000	0.2714	0.0657	0.0000	0.4072	0.0957	0.0014	0.0129	0.1386	0.0014	0.0014	0.0014	0.0000	1.0000
mainstem above sonar		130,632	0.0000	0.0029	0.0000	0.2714	0.0657	0.0000	0.4072	0.0957	0.0014	0.0129	0.1386	0.0014	0.0014	0.0014	0.0000	1.0000
Russian River		25,110	0.0000	0.0000	0.0000	0.0348	0.3314	0.0000	0.0474	0.3681	0.0203	0.0000	0.1730	0.0180	0.0000	0.0070	0.0000	1.0000
other - Hidden, Skilak, etc.		513	0.0000	0.0029	0.0000	0.2714	0.0657	0.0000	0.4072	0.0957	0.0014	0.0129	0.1386	0.0014	0.0014	0.0000	0.0000	1.0000
Kasilof River																		
PU & Subsistence		61,136	0.0012	0.0012	0.0000	0.3967	0.0058	0.0000	0.2812	0.2217	0.0000	0.0035	0.0887	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem below sonar		2,587	0.0012	0.0012	0.0000	0.3967	0.0058	0.0000	0.2812	0.2217	0.0000	0.0035	0.0887	0.0000	0.0000	0.0000	0.0000	1.0000
mainstem above sonar		862	0.0012	0.0012	0.0000	0.3967	0.0058	0.0000	0.2812	0.2217	0.0000	0.0035	0.0887	0.0000	0.0000	0.0000	0.0000	1.0000
broodstock			0.0012	0.0012	0.0000	0.3967	0.0058	0.0000	0.2812	0.2217	0.0000	0.0035	0.0887	0.0000	0.0000	0.0000	0.0000	1.0000
#	9,963		12	12	0	3,952	58	0	2,802	2,209	0	35	884	0	0	0	9,963	
62 Crescent																		
Western Subdistrict PU		0	0.0000	0.0000	0.0000	0.0988	0.0000	0.0000	0.4454	0.1005	0.0000	0.0035	0.3518	0.0000	0.0000	0.0000	0.0000	1.0000
Sport above sonar		0	0.0000	0.0000	0.0000	0.0988	0.0000	0.0000	0.4454	0.1005	0.0000	0.0035	0.3518	0.0000	0.0000	0.0000	0.0000	1.0000
Fish Creek																		
sport (above weir)		0	0.0000	0.0048	0.0048	0.0642	0.0016	0.0000	0.7545	0.0401	0.0000	0.0016	0.1220	0.0032	0.0000	0.0032	0.0000	1.0000
PU (includes Knik Arm PU)		4,036	0.0000	0.0048	0.0048	0.0642	0.0016	0.0000	0.7545	0.0401	0.0000	0.0016	0.1220	0.0032	0.0000	0.0032	0.0000	1.0000
Sport (below weir)/Otoliths	0	154	0.0000	0.0048	0.0048	0.0642	0.0016	0.0000	0.7545	0.0401	0.0000	0.0016	0.1220	0.0032	0.0000	0.0032	0.0000	1.0000
Broodstock		3,922	0.0000	0.0048	0.0048	0.0642	0.0016	0.0000	0.7545	0.0401	0.0000	0.0016	0.1220	0.0032	0.0000	0.0032	0.0000	1.0000
Other - Pu & Sub. + (Kalgan)		0	0.0011	0.0000	0.0107	0.1854	0.0000	0.0000	0.5211	0.0975	0.0000	0.0049	0.1749	0.0005	0.0018	0.0021	0.0000	1.0000
Other Systems - sport above																		
Packers Creek																		
broodstock	#	0	0.0000	0.0000	0.0000	0.0295	0.0029	0.0000	0.2684	0.4013	0.0000	0.0000	0.2330	0.0000	0.0030	0.0619	0.0000	1.0000
cost recovery	#	868	0.0000	0.0000	0.0000	0.0295	0.0029	0.0000	0.2684	0.4013	0.0000	0.0000	0.2330	0.0000	0.0030	0.0619	0.0000	1.0000
sport	#	0	0.0000	0.0000	0.0000	0.0295	0.0029	0.0000	0.2684	0.4013	0.0000	0.0000	0.2330	0.0000	0.0030	0.0619	0.0000	1.0000
Cottonwood Creek		2,906	0.0000	0.1501	0.0000	0.5797	0.0394	0.0000	0.0544	0.1426	0.0019	0.0000	0.0319	0.0000	0.0000	0.0000	0.0000	1.0000
Knik Arm - Other		2,419	0.0022	0.0000	0.0445	0.1292	0.0000	0.0007	0.5912	0.0482	0.0000	0.0022	0.1811	0.0000	0.0007	0.0000	0.0000	1.0000
West Cook Inlet (North)		1,376	0.0022	0.0000	0.0445	0.1292	0.0000	0.0007	0.5912	0.0482	0.0000	0.0022	0.1811	0.0000	0.0007	0.0000	0.0000	1.0000
West Cook Inlet (Sorth)		1,596	0.0011	0.0000	0.0107	0.1854	0.0000	0.0000	0.5211	0.0975	0.0000	0.0049	0.1749	0.0005	0.0018	0.0021	0.0000	1.0000
Anchorage Area		908	0.0059	0.0082	0.0118	0.5261	0.0059	0.0000	0.2299	0.1595	0.0000	0.0000	0.0445	0.0082	0.0000	0.0000	0.0000	1.0000
Other Kenai Peninsula		1,508	0.0011	0.0000	0.0107	0.1854	0.0000	0.0000	0.5211	0.0975	0.0000	0.0049	0.1749	0.0005	0.0018	0.0021	0.0000	1.0000
Saltwater - sport below																		
Other-saltwater-Anch.		363	0.0059	0.0082	0.0118	0.5261	0.0059	0.0000	0.2299	0.1595	0.0000	0.0000	0.0445	0.0082	0.0000	0.0000	0.0000	1.0000
Other-saltwater-KP/WCI		848	0.0011	0.0000	0.0107	0.1854	0.0000	0.0000	0.5211	0.0975	0.0000	0.0049	0.1749	0.0005	0.0018	0.0021	0.0000	1.0000
Other-saltwater-Knik Arm		20	0.0022	0.0000	0.0445	0.1292	0.0000	0.0007	0.5912	0.0482	0.0000	0.0022	0.1811	0.0000	0.0007	0.0000	0.0000	1.0000

Total Upper Cook Inlet personal use, subsistence, sport, cost recovery and broodstock harvests by age class and river system.

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna River-Total PU	5	2	38	104	0	0	412	26	0	2	69	0	0	0	0	658
PU (Tyonek,General,Kustatan)	1	1	9	26	0	0	102	7	0	0	17	0	0	0	0	163
Yentna PU	4	2	28	78	0	0	310	20	0	1	52	0	0	0	0	495
eastside sport	43	20	336	922	0	0	3,672	234	0	16	617	0	0	0	0	5,859
westside sport	15	7	119	326	0	0	1,298	83	0	6	218	0	0	0	0	2,071
Total Sport	58	27	454	1,247	0	0	4,970	317	0	21	835	0	0	0	0	7,930
Kenai River -Total	0	785	0	74,300	26,096	0	111,357	35,134	888	3,490	41,842	831	379	555	0	295,656
PU & Sub (includes Eastern)	0	306	0	28,632	6,931	0	42,958	10,096	148	1,361	14,622	148	148	148	0	105,497
mainstem sport below sonar	0	98	0	9,202	2,227	0	13,806	3,245	47	437	4,699	47	47	47	0	33,904
mainstem sport above sonar	0	379	0	35,454	8,583	0	53,193	12,501	183	1,685	18,106	183	183	183	0	130,632
Russian River	0	0	0	874	8,321	0	1,190	9,243	510	0	4,344	452	0	176	0	25,110
other - Hidden, Skilak, etc.	0	1	0	139	34	0	209	49	1	7	71	1	1	1	0	513
Total Sport-above sonar	0	380	0	36,467	16,938	0	54,592	21,794	693	1,692	22,521	636	184	359	0	156,255
Kasilof River -Total	89	89	0	29,573	432	0	20,963	16,527	0	261	6,612	0	0	0	0	74,548
PU & Sub	73	73	0	24,253	355	0	17,191	13,554	0	214	5,423	0	0	0	0	61,136
mainstem sport below sonar	3	3	0	1,026	15	0	727	574	0	9	229	0	0	0	0	2,587
mainstem sport above sonar	1	1	0	342	5	0	242	191	0	3	76	0	0	0	0	862
broodstock (egg take)	12	12	0	3,952	58	0	2,802	2,209	0	35	884	0	0	0	0	9,963
Crescent River - Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Western Subdistrict PU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sport above sonar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish Creek - Total	0	39	39	521	13	0	6,121	325	0	13	990	26	0	26	0	8,112
sport (above weir)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PU (includes Knik Arm PU)	0	19	19	259	6	0	3,045	162	0	6	492	13	0	13	0	4,036
sport (below weir)/Otoliths	0	1	1	10	0	0	116	6	0	0	19	0	0	0	0	154
broodstock	0	19	19	252	6	0	2,959	157	0	6	478	13	0	13	0	3,922
Other - Pu & Sub. + (Kalgan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Systems - sport above																
Packers Creek - sport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cottonwood Creek-sport	0	436	0	1,685	114	0	158	414	6	0	93	0	0	0	0	2,906
Knik Arm - Other-sport	5	0	108	313	0	2	1,430	117	0	5	438	0	2	0	0	2,419
Anchorage Area-sport	5	7	11	478	5	0	209	145	0	0	40	7	0	0	0	908
West Cook Inlet-sport																
north	3	0	61	178	0	1	813	66	0	3	249	0	1	0	0	1,376
south	2	0	17	296	0	0	832	156	0	8	279	1	3	3	0	1,596
Other-Kenai Pen.-sport	2	0	16	280	0	0	786	147	0	7	264	1	3	3	0	1,508
Saltwater - sport below																
Other-saltwater-Anch.	2	3	4	191	2	0	83	58	0	0	16	3	0	0	0	363
Other-saltwater-KP/WCI	1	0	9	157	0	0	442	83	0	4	148	0	2	2	0	848
Other-saltwater-Knik Arm	0	0	1	3	0	0	12	1	0	0	4	0	0	0	0	20
Total Other System	20	447	227	3,604	125	3	4,998	1,535	6	28	1,734	12	12	62	0	12,812
PU & Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sport above	17	444	213	3,228	120	3	4,228	1,045	6	24	1,363	9	8	7	0	10,713
sport - saltwater below	3	3	14	351	2	0	537	142	0	4	168	3	2	2	0	1,231
cost recovery - egg take	0	0	0	26	3	0	233	348	0	0	202	0	3	54	0	868

Summary Worksheet for adjusted percent of age classes for all systems

Sum of escapement+subsistence+personal use+sport below sonar = weighted escapement past commercial fishery

to estimate adjusted proportion by age class

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	1,708	795	13,404	36,796	0	0	146,599	9,357	0	632	24,632	0	0	0	0	233,923
Sunshine																
Yentna																
Other																
Kenai	0	2,630	0	246,149	59,587	0	369,314	86,796	1,270	11,700	125,705	1,270	1,270	1,270	0	906,959
Kasilof	404	404	0	133,663	1,954	0	94,746	74,699	0	1,179	29,886	0	0	0	0	336,936
Crescent	0	0	0	6,151	0	0	27,729	6,257	0	218	21,902	0	0	0	0	62,257
Fish Creek	0	142	142	1,904	47	0	22,372	1,189	0	47	3,618	95	0	95	0	29,652
Other	233	3	2,304	38,490	5	2	108,451	20,485	0	1,009	36,470	105	373	484	0	208,412
Total	2,345	3,975	15,850	463,152	61,594	2	769,212	198,783	1,270	14,785	242,212	1,470	1,643	1,848	0	1,778,139

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Adjusted percent of age classes for all systems included.

Adjusted percent of age classes for Susitna, Kenai, Kaslof, Fish Creek, and Other.

Adjusted percent of age classes for Kenai and Kaslof.

Adjusted percent of age classes for Susitna, Fish Creek, and Other.

Allocation of Commercial Harvest

Drift	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	480	0	5,422	8,945	0	0	61,734	2,839	0	127	11,717	0	0	0	0	91,265
Kenai	0	0	0	59,836	0	0	155,521	26,338	0	2,358	59,797	259	834	864	0	305,808
Kasilof	114	0	0	32,492	0	0	39,898	22,667	0	238	14,217	0	0	0	0	109,626
Fish Creek	0	0	58	463	0	0	9,421	361	0	10	1,721	19	0	65	0	12,117
Other	65	0	932	9,356	0	0	45,669	6,216	0	203	17,348	21	245	329	0	80,387
Total	659	0	6,411	111,092	0	0	312,244	58,422	0	2,936	104,800	300	1,079	1,258	0	599,202
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salamatof	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Kenai	0	0	0	11,911	23	0	55,454	4,465	0	762	17,687	276	216	120	0	90,914
Kasilof	24	0	0	6,468	1	0	14,226	3,843	0	77	4,205	0	0	0	0	28,844
Total	24	0	0	18,379	24	0	69,680	8,308	0	839	21,892	276	216	120	0	119,758
remainder	0	0	132	0	0	0	0	0	0	0	0	0	0	0	0	132
Kalifornsky	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Kenai	0	0	0	33,502	107	0	44,519	15,680	0	921	16,337	95	222	0	0	111,384
Kasilof	0	0	0	18,192	4	0	11,421	13,495	0	93	3,884	0	0	0	0	47,088
Total	0	0	0	51,694	111	0	55,941	29,175	0	1,014	20,221	95	222	0	0	158,472
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cohoe/Ninilchik	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Kenai	0	0	0	45,356	113	0	63,804	25,745	0	701	27,148	397	23	140	0	163,427
Kasilof	187	0	0	24,629	4	0	16,369	22,157	0	71	6,454	0	0	0	0	69,870
Total	187	0	0	69,984	117	0	80,173	47,903	0	771	33,602	397	23	140	0	233,297
remainder	0	0	374	0	0	0	0	0	0	0	0	0	0	0	0	374
Western	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Crescent	0	0	70	2,641	24	0	3,013	11,340	0	0	2,600	155	0	32	0	19,874
Total	0	0	70	2,641	24	0	3,013	11,340	0	0	2,600	155	0	32	0	19,874
Kustatan	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	7	0	142	232	0	0	1,176	55	0	3	260	0	0	0	0	1,874
Fish Creek	0	0	2	12	0	0	180	7	0	0	38	0	0	0	0	238
Other	1	0	24	243	0	3	870	120	0	5	384	0	3	0	0	1,652
Total	8	0	168	486	0	3	2,226	181	0	8	682	0	3	0	0	3,765
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Allocation of Commercial Harvest

Kalgin Island	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	138	140	0	0	1,638	273	0	0	792	0	0	0	0	2,981
Kenai	0	0	0	939	0	0	4,127	2,531	0	0	4,043	94	0	187	0	11,921
Kasilof	0	0	0	510	0	0	1,059	2,178	0	0	961	0	0	0	0	4,708
Fish Creek	0	0	1	7	0	0	250	35	0	0	116	7	0	14	0	431
Other	0	0	24	147	0	0	1,212	597	0	0	1,173	8	0	71	0	3,232
Total	0	0	163	1,743	0	0	8,285	5,613	0	0	7,087	109	0	272	0	23,273
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chinitna Bay	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	1	2	0	0	17	1	0	0	3	0	0	0	0	25
Kenai	0	0	0	16	0	0	42	7	0	1	16	0	0	0	0	83
Kasilof	0	0	0	9	0	0	11	6	0	0	4	0	0	0	0	30
Fish Creek	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
Other	0	0	0	3	0	0	12	2	0	0	5	0	0	0	0	22
Total	0	0	2	30	0	0	85	16	0	1	29	0	0	0	0	163
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General - Knik Arm	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	77	0	1,495	2,446	0	0	12,408	577	0	33	2,738	0	0	0	0	19,773
Fish Creek	0	0	16	127	0	0	1,894	73	0	2	402	0	0	0	0	2,514
Other	10	0	257	2,559	0	28	9,179	1,264	0	52	4,053	0	28	0	0	17,430
Total	87	0	1,767	5,131	0	28	23,481	1,914	0	87	7,193	0	28	0	0	39,717
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eastern	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	95	127	183	4,598	0	0	2,227	882	0	0	310	0	0	0	0	8,422
Fish Creek	0	23	2	238	98	0	340	112	0	0	46	71	0	0	0	930
Other	13	0	31	4,809	10	0	1,648	1,930	0	0	460	79	0	0	0	8,980
Total	108	150	216	9,644	108	0	4,215	2,924	0	0	816	150	0	0	0	18,332
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Knik Arm	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Fish Creek	0	12	12	167	4	0	1,959	104	0	4	317	8	0	8	0	2,597
Total	0	12	12	167	4	0	1,959	104	0	4	317	8	0	8	0	2,597
Total UCI																
Comm. Harvest	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	659	127	7,380	16,363	0	0	79,200	4,627	0	163	15,820	0	0	0	0	124,340
Kenai	0	0	0	151,560	244	0	323,467	74,767	0	4,743	125,028	1,121	1,295	1,312	0	683,537
Kasilof	325	0	0	82,299	8	0	82,984	64,346	0	478	29,725	0	0	0	0	260,166
Crescent	0	0	70	2,641	24	0	3,013	11,340	0	0	2,600	155	0	32	0	19,874
Fish Creek	0	35	91	1,013	103	0	14,046	692	0	16	2,640	106	0	87	0	18,830
Other	90	0	1,269	17,116	10	30	58,590	10,129	0	261	23,423	108	275	401	0	111,703
Total	1,074	163	8,809	270,993	388	30	561,301	165,901	0	5,661	199,237	1,491	1,570	1,831	0	1,218,450
remainders	0	0	506	0	0	0	0	0	0	0	0	0	0	0	0	506
																1,218,956

Allocation of Commercial Harvest

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Upper Cook Inlet commercial harvest, escapement and total return by age class.**Total Upper Cook Inlet commercial harvest by age class and river system.**

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	659	127	7,808	16,363	0	0	79,200	4,627	0	163	15,820	0	0	0	0	124,768
Kenai	0	0	0	151,560	244	0	323,467	74,767	0	4,743	125,028	1,121	1,295	1,312	0	683,537
Kasilof	325	0	0	82,299	8	0	82,984	64,346	0	478	29,725	0	0	0	0	260,166
Crescent	0	0	70	2,641	24	0	3,013	11,340	0	0	2,600	155	0	32	0	19,874
Fish Creek	0	35	95	1,013	103	0	14,046	692	0	16	2,640	106	0	87	0	18,834
Other	90	0	1,342	17,116	10	30	58,590	10,129	0	261	23,423	108	275	401	0	111,777
Total	1,074	163	9,315	270,993	388	30	561,301	165,901	0	5,661	199,237	1,491	1,570	1,831	0	1,218,956

Total Upper Cook Inlet escapement by age class.

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	1,703	793	13,366	36,693	0	0	146,187	9,331	0	630	24,563	0	0	0	0	233,265
Kenai	0	2,226	0	208,315	50,429	0	312,550	73,455	1,075	9,901	106,384	1,075	1,075	1,075	0	767,558
Kasilof	328	328	0	108,384	1,585	0	76,827	60,571	0	956	24,234	0	0	0	0	273,213
Crescent	0	0	0	6,151	0	0	27,729	6,257	0	218	21,902	0	0	0	0	62,257
Fish Creek	0	110	110	1,468	37	0	17,252	917	0	37	2,790	73	0	73	0	22,865
Other	224	0	2,181	37,798	0	0	106,239	19,878	0	999	35,658	102	367	428	0	203,874
Total	2,255	3,457	15,657	398,809	52,050	0	686,784	170,409	1,075	12,741	215,529	1,250	1,442	1,576	0	1,563,032

Upper Cook Inlet total return including personal use, subsistence and sport caught fish below the sonar sites or weir by age class and river system.

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	2,363	921	21,183	53,081	0	0	225,490	13,964	0	793	40,400	0	0	0	0	358,196
Kenai	0	2,630	0	397,708	59,831	0	692,780	161,563	1,270	16,443	250,733	2,391	2,565	2,582	0	1,590,496
Kasilof	729	404	0	215,962	1,962	0	177,731	139,045	0	1,657	59,612	0	0	0	0	597,102
Crescent	0	0	70	8,792	24	0	30,742	17,597	0	218	24,502	155	0	32	0	82,131
Fish Creek	0	164	225	2,740	146	0	34,343	1,771	0	59	5,922	192	0	173	0	45,735
Other	317	3	3,538	55,291	14	30	165,599	30,497	0	1,264	59,451	214	646	884	0	317,749
Total	3,410	4,123	25,015	733,575	61,977	30	1,326,685	364,436	1,270	20,435	440,620	2,952	3,211	3,671	0	2,991,409

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, .

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna:																
comm. harvest	659	127	7,808	16,363	0	0	79,200	4,627	0	163	15,820	0	0	0	0	124,768
spawners	1,641	764	12,883	35,367	0	0	140,907	8,994	0	607	23,676	0	0	0	0	224,840
other	63	29	492	1,351	0	0	5,382	344	0	23	904	0	0	0	0	8,588
Total	2,363	921	21,183	53,081	0	0	225,490	13,964	0	793	40,400	0	0	0	0	358,196
Kenai:																
comm. harvest	0	0	0	151,560	244	0	323,467	74,767	0	4,743	125,028	1,121	1,295	1,312	0	683,537
spawners	0	1,846	0	171,849	33,491	0	257,957	51,662	381	8,210	83,863	439	891	715	0	611,303
other	0	785	0	74,300	26,096	0	111,357	35,134	888	3,490	41,842	831	379	555	0	295,656
Total	0	2,630	0	397,708	59,831	0	692,780	161,563	1,270	16,443	250,733	2,391	2,565	2,582	0	1,590,496
Kasilof :																
comm. harvest	325	0	0	82,299	8	0	82,984	64,346	0	478	29,725	0	0	0	0	260,166
spawners	315	315	0	104,089	1,522	0	73,784	58,171	0	918	23,274	0	0	0	0	262,388
other	89	89	0	29,573	432	0	20,963	16,527	0	261	6,612	0	0	0	0	74,548
Total	729	404	0	215,962	1,962	0	177,731	139,045	0	1,657	59,612	0	0	0	0	597,102
Crescent:																
comm. harvest	0	0	70	2,641	24	0	3,013	11,340	0	0	2,600	155	0	32	0	19,874
spawners	0	0	0	6,151	0	0	27,729	6,257	0	218	21,902	0	0	0	0	62,257
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	70	8,792	24	0	30,742	17,597	0	218	24,502	155	0	32	0	82,131
Fish Creek:																
comm. harvest	0	35	95	1,013	103	0	14,046	692	0	16	2,640	106	0	87	0	18,834
spawners	0	91	91	1,216	30	0	14,292	760	0	30	2,311	61	0	61	0	18,943
other	0	39	39	521	13	0	6,121	325	0	13	990	26	0	26	0	8,112
Total	0	165	225	2,750	146	0	34,459	1,777	0	60	5,941	193	0	173	0	45,889
Other:																
comm. harvest	90	0	1,342	17,116	10	30	58,590	10,129	0	261	23,423	108	275	401	0	111,777
spawners	207	(444)	1,969	34,570	(120)	(3)	102,011	18,833	(6)	975	34,294	93	359	422	0	193,161
other	20	447	227	3,604	125	3	4,998	1,535	6	28	1,734	12	12	62	0	12,812
Total	317	3	3,538	55,291	14	30	165,599	30,497	0	1,264	59,451	214	646	884	0	317,749
UCI Total:																
comm. harvest	1,074	163	9,315	270,993	388	30	561,301	165,901	0	5,661	199,237	1,491	1,570	1,831	0	1,218,956
spawners	2,163	2,572	14,943	353,242	34,923	(3)	616,680	144,676	376	10,959	189,320	593	1,250	1,197	0	1,372,892
other	172	1,389	758	109,349	26,666	3	148,820	53,865	894	3,815	52,082	869	391	643	0	399,716
Grand Total	3,410	4,124	25,016	733,585	61,977	30	1,326,801	364,442	1,270	20,435	440,638	2,952	3,211	3,671	0	2,991,563

Data Out

1998	1	1	659	127	7808	16363	0	0	79200	4627	0	163	15820	0	0	0	0	124768
1998	1	2	1641	764	12883	35367	0	0	140907	8994	0	607	23676	0	0	0	0	224840
1998	1	3	63	29	492	1351	0	0	5382	344	0	23	904	0	0	0	0	8588
1998	2	1	0	0	0	151560	244	0	323467	74767	0	4743	125028	1121	1295	1312	0	683537
1998	2	2	0	1846	0	171849	33491	0	257957	51662	381	8210	83863	439	891	715	0	611303
1998	2	3	0	785	0	74300	26096	0	111357	35134	888	3490	41842	831	379	555	0	295656
1998	3	1	325	0	0	82299	8	0	82984	64346	0	478	29725	0	0	0	0	260166
1998	3	2	315	315	0	104089	1522	0	73784	58171	0	918	23274	0	0	0	0	262388
1998	3	3	89	89	0	29573	432	0	20963	16527	0	261	6612	0	0	0	0	74548
1998	4	1	0	0	70	2641	24	0	3013	11340	0	0	2600	155	0	32	0	19874
1998	4	2	0	0	0	6151	0	0	27729	6257	0	218	21902	0	0	0	0	62257
1998	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	8	1	0	35	95	1013	103	0	14046	692	0	16	2640	106	0	87	0	18834
1998	8	2	0	91	91	1216	30	0	14292	760	0	30	2311	61	0	61	0	18943
1998	8	3	0	39	39	521	13	0	6121	325	0	13	990	26	0	26	0	8112
1998	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	10	1	90	0	1342	17116	10	30	58590	10129	0	261	23423	108	275	401	0	111777
1998	10	2	207	-444	1969	34570	-120	-3	102011	18833	-6	975	34294	93	359	422	0	193161
1998	10	3	20	447	227	3604	125	3	4998	1535	6	28	1734	12	12	62	0	12812

Hidden Lake enhancement total return worksheet.

Return Year	Spawners Hidden	Hatchery Proportion	Hidden Enhanced	Exploitation Rate			Age Composition (#) (E)			Total Return			Sport Harvest & PU {O} & Commercial Catch (C)		
				Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2
1998	65,875	0.78	51,383	0.551	0.614	0.611	42,647	7,194	1,541	95,064	18,616	3,959	52,416	11,423	2,417
Hidden age comp.							0.83	0.14					30.9%	23.9%	24.2%
Cost Recovery #/otoliths			Egg Take #										16,189	2,731	585 [O]
	0		1852										36,227	8,692	1,832 [C]
Hidden harvests															
Other"	1,852	0.78	1,445				1055	260		130 Enhanced (add to Hidden Enhanced 'other')					

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN

(Russian River and Upper Kenai River sport harvest not used.)

Kenai:	1.2(42) 1.3(52) 2.2(53)
Exploitation Rate	0.551 0.614 0.611
Commercial Harvest	151,560 323,467 74,767
PU & Sub (includes Eastern)	28,632 42,958 10,096
mainstem sport below sonar	9,202 13,806 3,245
mainstem sport above sonar minus Kenai to Skilak harvest	29,756 44,645 10,492
other sport (Hidden, Skilak, Moose)	139 209 49
Total PU & Sport Harvests	67,728 101,618 23,882
Percent other harvest	30.9% 23.9% 24.2%
Russian River harvest	874 1,190 9,243
spawners - Cook Inlet to Skilak Lake	178,420 267,696 62,914
Total Return from Cook Inlet to Skilak	397,708 692,780 161,563

calculations for Kenai to Skilak Harvest

age composition - Kenai	0.2714	0.4072	0.0957
Kenai to Skilak Harvest	20,994	5,698	8,549 2,009

Data Out with Hidden Creek Enhanced added and Kenai River and "Other" sport harvest age classes removed.

1998	1	1	659	127	7808	16363	0	0	79200	4627	0	163	15820	0	0	0	0	124768
1998	1	2	1641	764	12883	35367	0	0	140907	8994	0	607	23676	0	0	0	0	224840
1998	1	3	63	29	492	1351	0	0	5382	344	0	23	904	0	0	0	0	8588
1998	2	1	0	0	0	115333	244	0	314774	72935	0	4743	125028	1121	1295	1312	0	636786
1998	2	2	0	1846	0	129201	33491	0	250764	50120	381	8210	83863	439	891	715	0	559921
1998	2	3	0	785	0	57056	26096	0	108366	34419	888	3490	41842	831	379	555	0	274707
1998	3	1	325	0	0	82299	8	0	82984	64346	0	478	29725	0	0	0	0	260166
1998	3	2	315	315	0	104089	1522	0	73784	58171	0	918	23274	0	0	0	0	262388
1998	3	3	89	89	0	29573	432	0	20963	16527	0	261	6612	0	0	0	0	74548
1998	4	1	0	0	70	2641	24	0	3013	11340	0	0	2600	155	0	32	0	19874
1998	4	2	0	0	0	6151	0	0	27729	6257	0	218	21902	0	0	0	0	62257
1998	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	6	1	0	0	0	36227	0	0	8692	1832	0	0	0	0	0	0	0	46751
1998	6	2	0	0	0	42647	0	0	7194	1541	0	0	0	0	0	0	0	51383
1998	6	3	0	0	0	17244	0	0	2991	715	0	0	0	0	0	0	0	20949
1998	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	8	1	0	35	95	1013	103	0	14046	692	0	16	2640	106	0	87	0	18834
1998	8	2	0	91	91	1216	30	0	14292	760	0	30	2311	61	0	61	0	18943
1998	8	3	0	39	39	521	13	0	6121	325	0	13	990	26	0	26	0	8112
1998	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	10	1	90	0	1342	17116	10	30	58590	10129	0	261	23423	108	275	401	0	111777
1998	10	2	207	0	1969	34570	0	0	102011	18833	0	975	34294	93	359	422	0	193732
1998	10	3	20	3	227	3604	5	0	4998	1535	0	28	1734	12	12	62	0	12241

Appendix A. Escapement and harvest estimates and age composition data used to estimate total return by river system.

Upper Cook Inlet Total Return Worksheet

1999

Escapement	Commercial Harvest	Subsistence/PU Harvest	Sport Harvest
Susitna 193,107	Drift 3/ 1,414,267	Tyonek 144	Susitna River 9,493
Sunshine 1/ 94,078	Salamatof 217,046	General 0	eastside 4,608
Yentna 99,029	Kalifornsky 344,552	Kasilof dip net 37,176	westside 4,885
Kenai 803,379	Cohoe/Ninilchik 531,308	Kasilof gill net 12,832	Kenai River 233,768
Kasilof 312,587	Western 49,441	Western 0	mainstem below sonar 45,940
Crescent 66,519	Kustatan 4/ 5,212	Kenai dip net 149,504	mainstem above sonar 154,634
Fish Creek 26,746	Kalgin Island 5/ 59,092	Kenai gillnet 0	Russian River 32,335
Other 2/ 210,351	Chinitna Bay 6/ 709	Kenaitze 1,489	other Hidden 859
	General- Knik Arm 37,117	Kalgin 0	Kasilof River 4,655
	Eastern 21,963	Fish dip net 1,083	mainstem below sonar 3,491
	Knik Arm 0	Fish gill net 0	mainstem above sonar 1,164
		Kustatan 0	Crescent River 0
		Eastern 0	Fish Creek 432
		Knik 0	Packers Creek 0
		Other combined UCI 0	Cottonwood Creek 1,080
		Upper Yentna 516	Knik Arm 2,135
			Anchorage Area 294
			West Cook Inlet north 1,203
			south 1,917
			Other Kenai Peninsula 2,883
			Other Saltwater Anchorage 248
			Kenai Pen./West Cook Inlet 1,727
			Knik Arm 11
Total 1,612,688	Total 2,680,707	Total 202,744	Total above sonar/weir 207,997
			below sonar/weir 51,849

Footnotes and sources of information:

Escapement:

1/ Sunshine estimate derived by using mean ratio of Sunshine on Yentna escapement 1981-85.

$$Y = 0.95 * X$$

where Y = Sunshine and

X = Yentna.

2/ Other represents 15% of total monitored escapement - drift age composition used.
assume an added 15% for unmonitored escapements for weighting escapement age composition.

Commercial Harvest	2,681,000
Spawners	1,393,000
Other Harvests	490,000
Total Return	4,564,000

Commercial Harvest:

3/ Drift represents all substatistical harvest areas with Drift gillnet except Chinitna Bay.

4/ Kustatan - age composition of General Subdistrict westside used.

5/ Kalgin Island - age composition of drift used.

6/ Chinitna - age composition of drift used.

Subsistence and Personal Use harvests:

Age composition of nearest river used.

References:

Escapement, Commercial Harvest & Egg Takes:

Fandrei, 2002

Tobias and Tarbox, 2000

Subsistence and Personal Use harvests:

Fox and Shields, 1999

Sport Harvest:

Howe et al. 2000. Revised edition. Statewide Harvest Survey database.

Summary worksheet for entering escapement age composition (proportions).

Summary worksheet for entering commercial harvest age composition (proportions).

Summary worksheet calculating total escapement by age class

River System	Escapement	Total															
		0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	193,107	6,952	0	6,527	45,226	0	0	100,473	16,530	0	1,738	15,661	0	0	0	193,107	
Sunshine	94,078	3,387	0	3,180	22,033	0	0	48,949	8,053	0	847	7,630	0	0	0	94,078	
Yentna	99,029	3,565	0	3,347	23,193	0	0	51,525	8,477	0	891	8,031	0	0	0	99,029	
Kenai	803,379	0	0	2,169	121,632	9,882	0	444,992	134,807	1,125	3,294	76,723	7,632	1,125	0	803,379	
Kasilof	312,587	0	0	0	92,745	313	0	105,717	83,336	0	656	29,508	313	0	0	312,587	
Crescent	66,519	0	0	0	14,222	73	0	26,182	6,126	0	293	19,477	0	73	73	66,519	
Fish Creek	26,746	0	3,111	0	20,060	257	0	663	2,297	0	51	257	51	0	0	26,746	
Other	210,351	210	0	3,071	27,977	0	0	125,642	19,815	0	1,115	31,805	316	210	189	0	210,351
Total	1,612,688	7,162	3,111	11,767	321,860	10,524	0	803,670	262,912	1,125	7,147	173,430	8,311	1,408	262	0	1,612,688

Summary worksheet calculating total commercial harvest by age composition.

Fishery	Commercial Harvest	Commercial															
		0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Drift	1,414,267	1,414	0	20,648	188,098	0	0	844,742	133,224	0	7,496	213,837	2,121	1,414	1,273	0	1,414,267
Salamatof	217,046	22	0	391	30,386	260	0	121,676	39,589	0	1,129	22,638	304	478	174	0	217,046
Kalifornsky	344,552	0	0	345	64,638	0	0	182,716	59,401	0	1,206	35,248	138	861	0	0	344,552
Cohoe/Ninilchik	531,308	159	0	372	129,373	0	0	246,368	103,127	0	1,328	50,155	0	53	372	0	531,308
Western	49,441	0	0	0	10,160	0	0	18,763	6,057	0	0	14,461	0	0	0	0	49,441
Kustatan	5,212	27	0	134	1,047	0	0	2,316	243	0	30	1,411	0	0	5	0	5,212
Kalgin Island	59,092	59	0	863	7,859	0	0	35,296	5,566	0	313	8,935	89	59	53	0	59,092
Chinitna Bay	709	1	0	10	94	0	0	423	67	0	4	107	1	1	1	0	709
General	37,117	189	0	954	7,453	0	0	16,495	1,730	0	212	10,048	0	0	37	0	37,117
Eastern	21,963	143	0	663	7,830	0	0	5,833	6,024	0	46	1,280	143	0	0	0	21,963
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2,680,707	2,014	0	24,380	446,939	260	0	1,474,627	355,028	0	11,763	358,121	2,796	2,866	1,915	0	2,680,707

Summary Worksheet for entering age compositon for Pu, subsistence, sport harvest, broodstock and cost recovery components.

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total		
Susitna River																		
PU Yentna	516	0.0360	0.0000	0.0338	0.2342	0.0000	0.0000	0.5203	0.0856	0.0000	0.0090	0.0811	0.0000	0.0000	0.0000	1.0000		
PU (Tyonek, General, Kustatan)	144	0.0360	0.0000	0.0338	0.2342	0.0000	0.0000	0.5203	0.0856	0.0000	0.0090	0.0811	0.0000	0.0000	0.0000	1.0000		
eastside sport	4,608	0.0360	0.0000	0.0338	0.2342	0.0000	0.0000	0.5203	0.0856	0.0000	0.0090	0.0811	0.0000	0.0000	0.0000	1.0000		
westside sport	4,885	0.0360	0.0000	0.0338	0.2342	0.0000	0.0000	0.5203	0.0856	0.0000	0.0090	0.0811	0.0000	0.0000	0.0000	1.0000		
Kenai River																		
PU & Sub (includes Eastern)	150,993	0.0000	0.0000	0.0027	0.1514	0.0123	0.0000	0.5539	0.1678	0.0014	0.0041	0.0955	0.0095	0.0014	0.0000	0.0000	1.0000	
mainstem below sonar	45,940	0.0000	0.0000	0.0027	0.1514	0.0123	0.0000	0.5539	0.1678	0.0014	0.0041	0.0955	0.0095	0.0014	0.0000	0.0000	1.0000	
mainstem above sonar	154,634	0.0000	0.0000	0.0027	0.1514	0.0123	0.0000	0.5539	0.1678	0.0014	0.0041	0.0955	0.0095	0.0014	0.0000	0.0000	1.0000	
Russian River	32,335	0.0000	0.0000	0.0000	0.0020	0.0560	0.0000	0.0140	0.7400	0.0060	0.0000	0.1570	0.0200	0.0000	0.0050	0.0000	1.0000	
other - Hidden, Skilak, etc.	859	0.0000	0.0000	0.0027	0.1514	0.0123	0.0000	0.5539	0.1678	0.0014	0.0041	0.0955	0.0095	0.0014	0.0000	0.0000	1.0000	
Kasilof River																		
PU & Subsistence	50,008	0.0000	0.0000	0.0000	0.2967	0.0010	0.0000	0.3382	0.2666	0.0000	0.0021	0.0944	0.0010	0.0000	0.0000	0.0000	1.0000	
mainstem below sonar	3,491	0.0000	0.0000	0.0000	0.2967	0.0010	0.0000	0.3382	0.2666	0.0000	0.0021	0.0944	0.0010	0.0000	0.0000	0.0000	1.0000	
mainstem above sonar	1,164	0.0000	0.0000	0.0000	0.2967	0.0010	0.0000	0.3382	0.2666	0.0000	0.0021	0.0944	0.0010	0.0000	0.0000	0.0000	1.0000	
broodstock		0.0000	0.0000	0.0000	0.2967	0.0010	0.0000	0.3382	0.2666	0.0000	0.0021	0.0944	0.0010	0.0000	0.0000	0.0000	1.0000	
#	9,914			0	0	2,941	10	0	3,353	2,643	0	21	936	10	0	0	9,914	
// Crescent	Western Subdistrict PU	0	0.0000	0.0000	0.0000	0.2138	0.0011	0.0000	0.3936	0.0921	0.0000	0.0044	0.2928	0.0000	0.0011	0.0011	0.0000	1.0000
	Sport above sonar	0	0.0000	0.0000	0.0000	0.2138	0.0011	0.0000	0.3936	0.0921	0.0000	0.0044	0.2928	0.0000	0.0011	0.0011	0.0000	1.0000
Fish Creek																		
sport (above weir)	0	0.0000	0.1163	0.0000	0.7500	0.0096	0.0000	0.0248	0.0859	0.0000	0.0019	0.0096	0.0019	0.0000	0.0000	0.0000	1.0000	
PU (includes Knik Arm PU)	1,083	0.0000	0.1163	0.0000	0.7500	0.0096	0.0000	0.0248	0.0859	0.0000	0.0019	0.0096	0.0019	0.0000	0.0000	0.0000	1.0000	
Sport (below weir)/Otoliths	0	432	0.0000	0.1163	0.0000	0.7500	0.0096	0.0000	0.0248	0.0859	0.0000	0.0019	0.0096	0.0019	0.0000	0.0000	1.0000	
Broodstock		1,115	0.0000	0.1163	0.0000	0.7500	0.0096	0.0000	0.0248	0.0859	0.0000	0.0019	0.0096	0.0019	0.0000	0.0000	1.0000	
Other - Pu & Sub. + (Kalgan)	0	0.0010	0.0000	0.0146	0.1330	0.0000	0.0000	0.5973	0.0942	0.0000	0.0053	0.1512	0.0015	0.0010	0.0009	0.0000	1.0000	
Other Systems - sport above																		
Packers Creek																		
broodstock	#	0	0.0000	0.0000	0.0000	0.0570	0.0457	0.0000	0.0114	0.7566	0.0000	0.1255	0.0038	0.0000	0.0000	0.0000	1.0000	
cost recovery	#	16,643	0.0000	0.0000	0.0000	0.0570	0.0457	0.0000	0.0114	0.7566	0.0000	0.1255	0.0038	0.0000	0.0000	0.0000	1.0000	
sport	#	0	0.0000	0.0000	0.0000	0.0570	0.0457	0.0000	0.0114	0.7566	0.0000	0.1255	0.0038	0.0000	0.0000	0.0000	1.0000	
Cottonwood Creek		1,080	0.0000	0.0000	0.0000	0.6262	0.0078	0.0000	0.0746	0.2669	0.0000	0.0245	0.0000	0.0000	0.0000	0.0000	1.0000	
Knik Arm - Other	2,135	0.0051	0.0000	0.0257	0.2008	0.0000	0.0000	0.4444	0.0466	0.0000	0.0057	0.2707	0.0000	0.0010	0.0000	0.0000	1.0000	
West Cook Inlet (North)	1,203	0.0051	0.0000	0.0257	0.2008	0.0000	0.0000	0.4444	0.0466	0.0000	0.0057	0.2707	0.0000	0.0010	0.0000	0.0000	1.0000	
West Cook Inlet (Sorth)	1,917	0.0010	0.0000	0.0146	0.1330	0.0000	0.0000	0.5973	0.0942	0.0000	0.0053	0.1512	0.0015	0.0010	0.0009	0.0000	1.0000	
Anchorage Area		294	0.0065	0.0000	0.0302	0.3565	0.0000	0.0000	0.2656	0.2743	0.0000	0.0021	0.0583	0.0065	0.0000	0.0000	1.0000	
Other Kenai Peninsula		2,883	0.0010	0.0000	0.0146	0.1330	0.0000	0.0000	0.5973	0.0942	0.0000	0.0053	0.1512	0.0015	0.0010	0.0009	1.0000	
Saltwater - sport below																		
Other-saltwater-Anch.	248	0.0065	0.0000	0.0302	0.3565	0.0000	0.0000	0.2656	0.2743	0.0000	0.0021	0.0583	0.0065	0.0000	0.0000	0.0000	1.0000	
Other-saltwater-KP/WCI	1,727	0.0010	0.0000	0.0146	0.1330	0.0000	0.0000	0.5973	0.0942	0.0000	0.0053	0.1512	0.0015	0.0010	0.0009	0.0000	1.0000	
Other-saltwater-Knik Arm	11	0.0051	0.0000	0.0257	0.2008	0.0000	0.0000	0.4444	0.0466	0.0000	0.0057	0.2707	0.0000	0.0010	0.0000	0.0000	1.0000	

Total Upper Cook Inlet personal use, subsistence, sport, cost recovery and broodstock harvests by age class and river system.

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna River-Total PU	24	0	22	155	0	0	343	56	0	6	54	0	0	0	0	660
PU (Tyonek,General,Kustatan)	5	0	5	34	0	0	75	12	0	1	12	0	0	0	0	144
Yentna PU	19	0	17	121	0	0	268	44	0	5	42	0	0	0	0	516
eastside sport	166	0	156	1,079	0	0	2,398	394	0	41	374	0	0	0	0	4,608
westside sport	176	0	165	1,144	0	0	2,542	418	0	44	396	0	0	0	0	4,885
Total Sport	342	0	321	2,223	0	0	4,939	813	0	85	770	0	0	0	0	9,493
Kenai River -Total	0	0	952	53,422	6,146	0	195,661	83,065	687	1,445	38,733	3,995	493	162	0	384,761
PU & Sub (includes Eastern)	0	0	408	22,860	1,857	0	83,635	25,337	211	619	14,420	1,434	211	0	0	150,993
mainstem sport below sonar	0	0	124	6,955	565	0	25,446	7,709	64	188	4,387	436	64	0	0	45,940
mainstem sport above sonar	0	0	418	23,412	1,902	0	85,652	25,948	216	634	14,768	1,469	216	0	0	154,634
Russian River	0	0	0	65	1,811	0	453	23,928	194	0	5,077	647	0	162	0	32,335
other - Hidden, Skilak, etc.	0	0	2	130	11	0	476	144	1	4	82	8	1	0	0	859
Total Sport-above sonar	0	0	420	23,606	3,723	0	86,580	50,020	412	638	19,926	2,124	218	162	0	187,828
Kasilof River -Total	0	0	0	19,160	65	0	21,840	17,216	0	136	6,096	65	0	0	0	64,577
PU & Sub	0	0	0	14,837	50	0	16,913	13,332	0	105	4,721	50	0	0	0	50,008
mainstem sport below sonar	0	0	0	1,036	3	0	1,181	931	0	7	330	3	0	0	0	3,491
mainstem sport above sonar	0	0	0	345	1	0	394	310	0	2	110	1	0	0	0	1,164
broodstock (egg take)	0	0	0	2,941	10	0	3,353	2,643	0	21	936	10	0	0	0	9,914
Crescent River - Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Western Subdistrict PU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sport above sonar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish Creek - Total	0	306	0	1,973	25	0	65	226	0	5	25	5	0	0	0	2,630
sport (above weir)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PU (includes Knik Arm PU)	0	126	0	812	10	0	27	93	0	2	10	2	0	0	0	1,083
sport (below weir)/Otoliths	0	50	0	324	4	0	11	37	0	1	4	1	0	0	0	432
broodstock	0	130	0	836	11	0	28	96	0	2	11	2	0	0	0	1,115
Other - Pu & Sub. + (Kalgan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Systems - sport above																
Packers Creek - sport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cottonwood Creek-sport	0	0	0	676	8	0	81	288	0	0	26	0	0	0	0	1,080
Knik Arm - Other-sport	11	0	55	429	0	0	949	99	0	12	578	0	0	2	0	2,135
Anchorage Area-sport	2	0	9	105	0	0	78	81	0	1	17	2	0	0	0	294
West Cook Inlet-sport																
north	6	0	31	242	0	0	535	56	0	7	326	0	0	1	0	1,203
south	2	0	28	255	0	0	1,145	181	0	10	290	3	2	2	0	1,917
Other-Kenai Pen.-sport	3	0	42	383	0	0	1,722	272	0	15	436	4	3	3	0	2,883
Saltwater - sport below																
Other-saltwater-Anch.	2	0	7	88	0	0	66	68	0	1	14	2	0	0	0	248
Other-saltwater-KP/WCI	2	0	25	230	0	0	1,032	163	0	9	261	3	2	2	0	1,727
Other-saltwater-Knik Arm	0	0	0	2	0	0	5	1	0	0	3	0	0	0	0	11
Total Other System	27	0	198	3,359	769	0	5,801	13,800	0	55	4,040	77	7	9	0	28,141
PU & Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sport above	24	0	165	2,090	8	0	4,509	977	0	45	1,673	9	5	8	0	9,512
sport - saltwater below	3	0	33	320	0	0	1,102	231	0	10	279	4	2	2	0	1,986
cost recovery - egg take	0	0	0	949	761	0	190	12,592	0	0	2,089	63	0	0	0	16,643

Summary Worksheet for adjusted percent of age classes for all systems

Sum of escapement+subsistence+personal use+sport below sonar = weighted escapement past commercial fishery

to estimate adjusted proportion by age class

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0	0.4(51)	0	1.3(52)	2.2(53)	3.1(54)	0	1.4(62)	2.3(63)	3.2(64)	0	2.4(73)	0	3.3(74)	0	3.4(84)	0	Total
Susitna	6,976	0	6,549	45,380	0	0	100,817	16,586	0	1,744	15,714	0	1,400	95,530	9,503	1,400	0	0	0	193,767			
Sunshine																							
Yentna																							
Other																							
Kenai	0	0	2,701	151,447	12,304	0	554,073	167,852	1,400	4,101	95,530	9,503	1,400	0	0	0	0	0	0	0	0	1,000,312	
Kasilof	0	0	0	108,618	366	0	123,810	97,599	0	769	34,559	366	0	0	0	0	0	0	0	0	0	366,086	
Crescent	0	0	0	14,222	73	0	26,182	6,126	0	293	19,477	0	73	73	73	0	0	0	0	0	0	66,519	
Fish Creek	0	3,287	0	21,196	271	0	701	2,428	0	54	271	54	0	0	0	0	0	0	0	0	0	28,261	
Other	225	0	3,159	29,677	761	0	127,888	32,738	0	1,137	34,753	383	212	193	0	0	0	0	0	0	0	231,126	
Total	7,200	3,287	12,409	370,539	13,775	0	933,471	323,330	1,400	8,097	200,304	10,306	1,686	266	0	1,886,070							

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Adjusted percent of age classes for all systems included.

Adjusted percent of age classes for Susitna, Kenai, Kaslof, Fish Creek, and Other.

Adjusted percent of age classes for Kenai and Kasilof.

River System	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)
Susitna															
Sunshine															
Yentna															
Other															
Kenai	0.000	0.000	100.000	58.234	97.111	0.000	81.736	63.233	100.000	84.214	73.435	96.291	100.000	0.000	0.000
Kasilof	0.000	0.000	0.000	41.766	2.889	0.000	18.264	36.767	0.000	15.786	26.565	3.709	0.000	0.000	0.000
Crescent															
Fish Creek															
Other															
	0.000	0.000	100.000	100.000	100.000	0.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	0.000	0.000

Adjusted percent of age classes for Susitna, Fish Creek, and Other.

Allocation of Commercial Harvest

Drift	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	1,370	0	10,898	23,956	0	0	93,867	6,966	0	1,675	18,583	0	0	0	0	157,314
Kenai	0	0	4,494	79,948	0	0	515,876	70,497	0	3,939	112,969	1,956	1,228	0	0	790,907
Kasilof	0	0	0	57,339	0	0	115,275	40,991	0	738	40,867	75	0	0	0	255,285
Fish Creek	0	0	0	11,189	0	0	653	1,020	0	52	321	11	0	0	0	13,245
Other	44	0	5,257	15,666	0	0	119,072	13,750	0	1,092	41,097	79	186	1,273	0	197,515
Total	1,414	0	20,648	188,098	0	0	844,742	133,224	0	7,496	213,837	2,121	1,414	1,273	0	1,414,267
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salamatof	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Kenai	0	0	391	17,695	253	0	99,453	25,033	0	950	16,624	293	478	0	0	161,170
Kasilof	0	0	0	12,691	8	0	22,223	14,556	0	178	6,014	11	0	0	0	55,681
Total	0	0	391	30,386	260	0	121,676	39,589	0	1,129	22,638	304	478	0	0	216,851
remainder	22	0	0	0	0	0	0	0	0	0	0	0	0	174	0	195
Kalifornsky	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Kenai	0	0	345	37,642	0	0	149,344	37,561	0	1,016	25,884	133	861	0	0	252,785
Kasilof	0	0	0	26,996	0	0	33,372	21,840	0	190	9,364	5	0	0	0	91,767
Total	0	0	345	64,638	0	0	182,716	59,401	0	1,206	35,248	138	861	0	0	344,552
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cohoe/Ninilchik	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Kenai	0	0	372	75,340	0	0	201,370	65,210	0	1,119	36,831	0	53	0	0	380,295
Kasilof	0	0	0	54,034	0	0	44,997	37,917	0	210	13,324	0	0	0	0	150,481
Total	0	0	372	129,373	0	0	246,368	103,127	0	1,328	50,155	0	53	0	0	530,777
remainder	159	0	0	0	0	0	0	0	0	0	0	0	0	372	0	531
Western	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Crescent	0	0	0	10,160	0	0	18,763	6,057	0	0	14,461	0	0	0	0	49,441
Total	0	0	0	10,160	0	0	18,763	6,057	0	0	14,461	0	0	0	0	49,441
Kustatan	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	26	0	90	493	0	0	1,018	78	0	18	437	0	0	0	0	2,160
Fish Creek	0	0	0	230	0	0	7	11	0	1	8	0	0	0	0	257
Other	1	0	44	323	0	0	1,291	154	0	12	966	0	0	5	0	2,795
Total	27	0	134	1,047	0	0	2,316	243	0	30	1,411	0	0	5	0	5,212
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Allocation of Commercial Harvest

Kalgin Island	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	57	0	455	1,001	0	0	3,922	291	0	70	776	0	0	0	0	6,573
Kenai	0	0	188	3,340	0	0	21,555	2,946	0	165	4,720	82	51	0	0	33,046
Kasilof	0	0	0	2,396	0	0	4,817	1,713	0	31	1,708	3	0	0	0	10,667
Fish Creek	0	0	0	468	0	0	27	43	0	2	13	0	0	0	0	553
Other	2	0	220	655	0	0	4,975	575	0	46	1,717	3	8	53	0	8,253
Total	59	0	863	7,859	0	0	35,296	5,566	0	313	8,935	89	59	53	0	59,092
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chinitna Bay	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	1	0	5	12	0	0	47	3	0	1	9	0	0	0	0	79
Kenai	0	0	2	40	0	0	259	35	0	2	57	1	1	0	0	396
Kasilof	0	0	0	29	0	0	58	21	0	0	20	0	0	0	0	128
Fish Creek	0	0	0	6	0	0	0	1	0	0	0	0	0	0	0	7
Other	0	0	3	8	0	0	60	7	0	1	21	0	0	1	0	99
Total	1	0	10	94	0	0	423	67	0	4	107	1	1	1	0	709
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General - Knik Arm	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	183	0	643	3,514	0	0	7,249	554	0	126	3,112	0	0	0	0	15,382
Fish Creek	0	0	0	1,641	0	0	50	81	0	4	54	0	0	0	0	1,830
Other	6	0	310	2,298	0	0	9,195	1,094	0	82	6,882	0	0	37	0	19,905
Total	189	0	954	7,453	0	0	16,495	1,730	0	212	10,048	0	0	37	0	37,117
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eastern	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	138	0	447	3,692	0	0	2,564	1,931	0	27	397	0	0	0	0	9,196
Fish Creek	0	0	0	1,724	0	0	18	283	0	1	7	18	0	0	0	2,050
Other	4	0	216	2,414	0	0	3,252	3,811	0	18	877	125	0	0	0	10,717
Total	143	0	663	7,830	0	0	5,833	6,024	0	46	1,280	143	0	0	0	21,963
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Knik Arm	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total UCI																
Comm. Harvest	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	1,776	0	12,540	32,668	0	0	108,666	9,824	0	1,917	23,314	0	0	0	0	190,703
Kenai	0	0	5,791	214,005	253	0	987,857	201,283	0	7,190	197,085	2,464	2,672	0	0	1,618,600
Kasilof	0	0	0	153,484	8	0	220,741	117,037	0	1,348	71,297	95	0	0	0	564,009
Crescent	0	0	0	10,160	0	0	18,763	6,057	0	0	14,461	0	0	0	0	49,441
Fish Creek	0	0	0	15,258	0	0	755	1,438	0	59	403	29	0	0	0	17,942
Other	57	0	6,049	21,363	0	0	137,845	19,390	0	1,249	51,561	207	194	1,369	0	239,285
Total	1,833	0	24,380	446,939	260	0	1,474,627	355,028	0	11,763	358,121	2,796	2,866	1,369	0	2,679,980
remainders	181	0	0	0	0	0	0	0	0	0	0	0	0	546	0	727
															2,680,707	

Allocation of Commercial Harvest

Upper Cook Inlet commercial harvest, escapement and total return by age class.**Total Upper Cook Inlet commercial harvest by age class and river system.**

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	1,951	0	12,540	32,668	0	0	108,666	9,824	0	1,917	23,314	0	0	0	0	190,879
Kenai	0	0	5,791	214,005	253	0	987,857	201,283	0	7,190	197,085	2,464	2,672	0	0	1,618,600
Kasilof	0	0	0	153,484	8	0	220,741	117,037	0	1,348	71,297	95	0	0	0	564,009
Crescent	0	0	0	10,160	0	0	18,763	6,057	0	0	14,461	0	0	0	0	49,441
Fish Creek	0	0	0	15,258	0	0	755	1,438	0	59	403	29	0	0	0	17,942
Other	63	0	6,049	21,363	0	0	137,845	19,390	0	1,249	51,561	207	194	1,915	0	239,836
Total	2,014	0	24,380	446,939	260	0	1,474,627	355,028	0	11,763	358,121	2,796	2,866	1,915	0	2,680,707

Total Upper Cook Inlet escapement by age class.

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	6,952	0	6,527	45,226	0	0	100,473	16,530	0	1,738	15,661	0	0	0	0	193,107
Kenai	0	0	2,169	121,632	9,882	0	444,992	134,807	1,125	3,294	76,723	7,632	1,125	0	0	803,379
Kasilof	0	0	0	92,745	313	0	105,717	83,336	0	656	29,508	313	0	0	0	312,587
Crescent	0	0	0	14,222	73	0	26,182	6,126	0	293	19,477	0	73	73	0	66,519
Fish Creek	0	3,111	0	20,060	257	0	663	2,297	0	51	257	51	0	0	0	26,746
Other	210	0	3,071	27,977	0	0	125,642	19,815	0	1,115	31,805	316	210	189	0	210,351
Total	7,162	3,111	11,767	321,860	10,524	0	803,670	262,912	1,125	7,147	173,430	8,311	1,408	262	0	1,612,688

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Upper Cook Inlet total return including personal use, subsistence and sport caught fish below the sonar sites or weir by age class and river system.

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	8,908	0	19,072	77,927	0	0	209,214	26,366	0	3,656	38,987	0	0	0	0	384,129
Kenai	0	0	8,492	365,452	12,557	0	1,541,929	369,135	1,400	11,291	292,615	11,967	4,073	0	0	2,618,912
Kasilof	0	0	0	262,102	374	0	344,552	214,635	0	2,117	105,855	461	0	0	0	930,095
Crescent	0	0	0	24,382	73	0	44,945	12,183	0	293	33,938	0	73	73	0	115,960
Fish Creek	0	3,237	0	36,130	267	0	1,446	3,828	0	112	670	82	0	0	0	45,771
Other	277	0	9,153	50,609	761	0	264,780	52,029	0	2,374	85,733	590	406	2,105	0	468,816
Total	9,185	3,237	36,716	816,602	14,031	0	2,406,865	678,176	1,400	19,842	557,798	13,100	4,552	2,179	0	4,563,683

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, .

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna:																
comm. harvest	1,951	0	12,540	32,668	0	0	108,666	9,824	0	1,917	23,314	0	0	0	0	190,879
spawners	6,592	0	6,189	42,881	0	0	95,266	15,673	0	1,648	14,849	0	0	0	0	183,098
other	366	0	343	2,378	0	0	5,283	869	0	91	823	0	0	0	0	10,153
Total	8,908	0	19,072	77,927	0	0	209,214	26,366	0	3,656	38,987	0	0	0	0	384,129
Kenai:																
comm. harvest	0	0	5,791	214,005	253	0	987,857	201,283	0	7,190	197,085	2,464	2,672	0	0	1,618,600
spawners	0	0	1,749	98,025	6,158	0	358,411	84,787	713	2,656	56,797	5,508	907	(162)	0	615,551
other	0	0	952	53,422	6,146	0	195,661	83,065	687	1,445	38,733	3,995	493	162	0	384,761
Total	0	0	8,492	365,452	12,557	0	1,541,929	369,135	1,400	11,291	292,615	11,967	4,073	0	0	2,618,912
Kasilof :																
comm. harvest	0	0	0	153,484	8	0	220,741	117,037	0	1,348	71,297	95	0	0	0	564,009
spawners	0	0	0	89,458	302	0	101,970	80,382	0	633	28,462	302	0	0	0	301,509
other	0	0	0	19,160	65	0	21,840	17,216	0	136	6,096	65	0	0	0	64,577
Total	0	0	0	262,102	374	0	344,552	214,635	0	2,117	105,855	461	0	0	0	930,095
Crescent:																
comm. harvest	0	0	0	10,160	0	0	18,763	6,057	0	0	14,461	0	0	0	0	49,441
spawners	0	0	0	14,222	73	0	26,182	6,126	0	293	19,477	0	73	73	0	66,519
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	24,382	73	0	44,945	12,183	0	293	33,938	0	73	73	0	115,960
Fish Creek:																
comm. harvest	0	0	0	15,258	0	0	755	1,438	0	59	403	29	0	0	0	17,942
spawners	0	2,981	0	19,223	246	0	636	2,202	0	49	246	49	0	0	0	25,631
other	0	306	0	1,973	25	0	65	226	0	5	25	5	0	0	0	2,630
Total	0	3,287	0	36,454	271	0	1,456	3,865	0	113	674	83	0	0	0	46,203
Other:																
comm. harvest	63	0	6,049	21,363	0	0	137,845	19,390	0	1,249	51,561	207	194	1,915	0	239,836
spawners	187	0	2,906	25,887	(8)	0	121,133	18,838	0	1,070	30,132	306	206	182	0	200,839
other	27	0	198	3,359	769	0	5,801	13,800	0	55	4,040	77	7	9	0	28,141
Total	277	0	9,153	50,609	761	0	264,780	52,029	0	2,374	85,733	590	406	2,105	0	468,816
UCI Total:																
comm. harvest	2,014	0	24,380	446,939	260	0	1,474,627	355,028	0	11,763	358,121	2,796	2,866	1,915	0	2,680,707
spawners	6,778	2,981	10,844	289,696	6,771	0	703,598	208,009	713	6,349	149,963	6,165	1,186	93	0	1,393,146
other	393	306	1,492	80,291	7,004	0	228,650	115,176	687	1,732	49,718	4,141	500	171	0	490,262
Grand Total	9,185	3,287	36,716	816,926	14,035	0	2,406,876	678,213	1,400	19,843	557,802	13,101	4,552	2,179	0	4,564,115

Data Out

1999	1	1	1951	0	12540	32668	0	0	108666	9824	0	1917	23314	0	0	0	0	190879
1999	1	2	6592	0	6189	42881	0	0	95266	15673	0	1648	14849	0	0	0	0	183098
1999	1	3	366	0	343	2378	0	0	5283	869	0	91	823	0	0	0	0	10153
1999	2	1	0	0	5791	214005	253	0	987857	201283	0	7190	197085	2464	2672	0	0	1618600
1999	2	2	0	0	1749	98025	6158	0	358411	84787	713	2656	56797	5508	907	-162	0	615551
1999	2	3	0	0	952	53422	6146	0	195661	83065	687	1445	38733	3995	493	162	0	384761
1999	3	1	0	0	0	153484	8	0	220741	117037	0	1348	71297	95	0	0	0	564009
1999	3	2	0	0	0	89458	302	0	101970	80382	0	633	28462	302	0	0	0	301509
1999	3	3	0	0	0	19160	65	0	21840	17216	0	136	6096	65	0	0	0	64577
1999	4	1	0	0	0	10160	0	0	18763	6057	0	0	14461	0	0	0	0	49441
1999	4	2	0	0	0	14222	73	0	26182	6126	0	293	19477	0	73	73	0	66519
1999	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	8	1	0	0	0	15258	0	0	755	1438	0	59	403	29	0	0	0	17942
1999	8	2	0	2981	0	19223	246	0	636	2202	0	49	246	49	0	0	0	25631
1999	8	3	0	306	0	1973	25	0	65	226	0	5	25	5	0	0	0	2630
1999	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	10	1	63	0	6049	21363	0	0	137845	19390	0	1249	51561	207	194	1915	0	239836
1999	10	2	187	0	2906	25887	-8	0	121133	18838	0	1070	30132	306	206	182	0	200839
1999	10	3	27	0	198	3359	769	0	5801	13800	0	55	4040	77	7	9	0	28141

Hidden Lake enhancement total return worksheet.

Return Year	Spawners Hidden	Hatchery Proportion	Hidden Enhanced	Exploitation Rate			Age Composition (#) (E)			Total Return			Sport Harvest & PU {O} & Commercial Catch (C)		
				Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2
1999	47,310	0.69	32,644	0.718	0.755	0.690	29,053	1,959	1,632	102,876	7,998	5,267	73,823	6,040	3,635
Hidden age comp.							0.89	0.06					18.4%	15.2%	21.0%
Cost Recovery #/otoliths			Egg Take #										13,580	915	763 [O]
585			2096										60,243	5,124	2,872 [C]
Hidden harvests															
Other"	2,681	0.69	1,850				1350	333		166 Enhanced (add to Hidden Enhanced 'other')					

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN

(Russian River and Upper Kenai River sport harvest not used.)

Kenai:	1.2(42) 1.3(52) 2.2(53)
Exploitation Rate	0.718 0.755 0.690
Commercial Harvest	214,005 987,857 201,283
PU & Sub (includes Eastern)	22,860 83,635 25,337
mainstem sport below sonar	6,955 25,446 7,709
mainstem sport above sonar minus Kenai to Skilak harvest	18,295 66,932 20,277
other sport (Hidden, Skilak, Moose)	130 476 144
Total PU & Sport Harvests	48,241 176,489 53,466
Percent other harvest	18.4% 15.2% 21.0%
Russian River harvest	65 453 23,928
spawners - Cook Inlet to Skilak Lake	103,207 377,584 114,386
Total Return from Cook Inlet to Skilak	365,452 1,541,929 369,135

calculations for Kenai to Skilak Harvest

age composition - Kenai	0.1514	0.5539	0.1678
Kenai to Skilak Harvest	33,796	5,117	18,720 5,671

Data Out with Hidden Creek Enhanced added and Kenai River and "Other" sport harvest age classes removed.

1999	1	1	1951	0	12540	32668	0	0	108666	9824	0	1917	23314	0	0	0	0	190879
1999	1	2	6592	0	6189	42881	0	0	95266	15673	0	1648	14849	0	0	0	0	183098
1999	1	3	366	0	343	2378	0	0	5283	869	0	91	823	0	0	0	0	10153
1999	2	1	0	0	5791	153762	253	0	982732	198410	0	7190	197085	2464	2672	0	0	1550360
1999	2	2	0	0	1749	68972	6158	0	356453	83155	713	2656	56797	5508	907	0	0	583069
1999	2	3	0	0	952	38492	6146	0	194413	82136	687	1445	38733	3995	493	0	0	367491
1999	3	1	0	0	0	153484	8	0	220741	117037	0	1348	71297	95	0	0	0	564009
1999	3	2	0	0	0	89458	302	0	101970	80382	0	633	28462	302	0	0	0	301509
1999	3	3	0	0	0	19160	65	0	21840	17216	0	136	6096	65	0	0	0	64577
1999	4	1	0	0	0	10160	0	0	18763	6057	0	0	14461	0	0	0	0	49441
1999	4	2	0	0	0	14222	73	0	26182	6126	0	293	19477	0	73	73	0	66519
1999	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	6	1	0	0	0	60243	0	0	5124	2872	0	0	0	0	0	0	0	68240
1999	6	2	0	0	0	29053	0	0	1959	1632	0	0	0	0	0	0	0	32644
1999	6	3	0	0	0	14930	0	0	1248	929	0	0	0	0	0	0	0	17108
∞	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8	1	0	0	0	15258	0	0	755	1438	0	59	403	29	0	0	0	17942
	8	2	0	2981	0	19223	246	0	636	2202	0	49	246	49	0	0	0	25631
	8	3	0	306	0	1973	25	0	65	226	0	5	25	5	0	0	0	2630
	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	10	1	63	0	6049	21363	0	0	137845	19390	0	1249	51561	207	194	1915	0	239836
1999	10	2	187	0	2906	25887	0	0	121133	18838	0	1070	30132	306	206	182	0	200847
1999	10	3	27	0	198	3359	761	0	5801	13800	0	55	4040	77	7	9	0	28133

Appendix A. Escapement and harvest estimates and age composition data used to estimate total return by river system.

Upper Cook Inlet Total Return Worksheet

2000

Footnotes and sources of information:

Escapement:

1/ Sunshine estimate derived by using mean ratio of Sunshine on Yentna escapement 1981-85.

$$Y = 0.95 * X$$

where $Y = \text{Sunshine}$ and
 $X = \text{Yentna}.$

2/ Other represents 15% of total monitored escapement - drift age composition used.
assume an added 15% for unmonitored escapements for weighting escapement age composition.

Commercial Harvest	1,322,000
Spawners	1,155,000
Other Harvests	458,000
Total Return	2,935,000

Commercial Harvest:

3/ Drift represents all substatistical harvest areas with Drift gillnet except Chinitna Bay.

4/ Kustatan - age composition of General Subdistrict westside used.

5/ Kalgin Island - age composition of drift used.

6/ Chinitna - age composition of drift used.

Subsistence and Personal Use harvests:

Age composition of nearest river used.

Sport Harvest estimates:

Statewide Harvest Database 2001

References:

Escapement, Commercial Harvest & Egg Takes:

Tobias and Willette, 2001

Fandrei and Wu

Fox and Shields, 2001

Subsistence and Personal Use harvests:

Assistance and Person

Summary worksheet for entering escapement age composition (proportions).

96 Summary worksheet for entering commercial harvest age composition (proportions).

Summary worksheet calculating total escapement by age class

River System	Escapement	Total															
		0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	259,533	0	0	15,209	22,346	0	0	159,717	8,565	467	467	52,296	0	467	0	0	259,533
Sunshine	126,439	0	0	7,409	10,886	0	0	77,811	4,172	228	228	25,478	0	228	0	0	126,439
Yentna	133,094	0	0	7,799	11,459	0	0	81,906	4,392	240	240	26,818	0	240	0	0	133,094
Kenai	624,578	0	1,062	5,309	95,623	15,927	0	344,142	58,398	0	6,371	90,314	4,247	3,185	0	0	624,578
Kasilof	256,053	0	333	0	107,337	999	0	86,776	29,139	0	0	31,469	0	0	0	0	256,053
Crescent	56,599	0	0	0	1,426	0	0	41,221	1,268	0	0	12,684	0	0	0	0	56,599
Fish Creek	19,533	39	162	0	12,780	363	0	4,287	1,293	0	0	607	0	0	0	0	19,533
Other	182,444	164	0	2,098	19,978	0	0	112,970	9,469	0	985	36,069	182	274	255	0	182,444
Total	1,398,741	203	1,557	22,616	259,491	17,289	0	749,114	108,131	467	7,823	223,439	4,430	3,926	255	0	1,398,741

Summary worksheet calculating total commercial harvest by age composition.

Fishery	Harvest	Commercial															
		0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Drift	656,290	591	0	7,547	71,864	0	0	406,375	34,061	0	3,544	129,749	656	984	919	0	656,290
Salamatof	193,536	0	0	774	25,353	0	0	118,870	13,877	0	2,071	31,392	948	0	252	0	193,536
Kalifornsky	181,714	0	0	745	38,850	0	0	90,730	15,845	0	781	34,471	145	145	0	0	181,714
Cohoe/Ninilchik	154,574	294	15	587	49,464	31	0	58,846	18,425	0	1,005	25,165	742	0	0	0	154,574
Western	37,064	0	0	0	934	0	0	26,994	830	0	0	8,306	0	0	0	0	37,064
Kustatan	2,797	4	0	113	172	0	0	1,828	125	0	9	540	4	0	3	0	2,797
Kalgin Island	52,616	47	0	605	5,761	0	0	32,580	2,731	0	284	10,402	53	79	74	0	52,616
Chinitna Bay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	31,711	41	0	1,284	1,947	0	0	20,720	1,417	0	101	6,127	41	0	32	0	31,711
Eastern	12,057	19	25	159	2,642	23	0	4,218	2,231	0	20	2,484	219	8	8	0	12,057
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,322,359	996	41	11,816	196,987	54	0	761,159	89,543	0	7,816	248,635	2,809	1,217	1,287	0	1,322,359

Summary Worksheet for entering age compositon for Pu, subsistence, sport harvest, broodstock and cost recovery components.

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total	
Susitna River																	
PU Yentna	379	0.0000	0.0000	0.0586	0.0861	0.0000	0.0000	0.6154	0.0330	0.0018	0.0018	0.2015	0.0000	0.0018	0.0000	0.0000	
PU (Tyonek, General, Kustatan)	63	0.0000	0.0000	0.0586	0.0861	0.0000	0.0000	0.6154	0.0330	0.0018	0.0018	0.2015	0.0000	0.0018	0.0000	0.0000	
eastside sport	6,816	0.0000	0.0000	0.0586	0.0861	0.0000	0.0000	0.6154	0.0330	0.0018	0.0018	0.2015	0.0000	0.0018	0.0000	0.0000	
westside sport	4,647	0.0000	0.0000	0.0586	0.0861	0.0000	0.0000	0.6154	0.0330	0.0018	0.0018	0.2015	0.0000	0.0018	0.0000	0.0000	
Kenai River																	
PU & Sub (includes Eastern)	99,571	0.0000	0.0017	0.0085	0.1531	0.0255	0.0000	0.5510	0.0935	0.0000	0.0102	0.1446	0.0068	0.0051	0.0000	0.0000	
mainstem below sonar	57,848	0.0000	0.0017	0.0085	0.1531	0.0255	0.0000	0.5510	0.0935	0.0000	0.0102	0.1446	0.0068	0.0051	0.0000	0.0000	
mainstem above sonar	173,135	0.0000	0.0017	0.0085	0.1531	0.0255	0.0000	0.5510	0.0935	0.0000	0.0102	0.1446	0.0068	0.0051	0.0000	0.0000	
Russian River	30,229	0.0000	0.0077	0.0000	0.0211	0.2566	0.0000	0.1188	0.2912	0.0038	0.0000	0.2893	0.0096	0.0000	0.0019	0.0000	
other - Hidden, Skilak, etc.	567	0.0000	0.0017	0.0085	0.1531	0.0255	0.0000	0.5510	0.0935	0.0000	0.0102	0.1446	0.0068	0.0051	0.0000	0.0000	
Kasilof River																	
PU & Subsistence	38,651	0.0000	0.0013	0.0000	0.4192	0.0039	0.0000	0.3389	0.1138	0.0000	0.0000	0.1229	0.0000	0.0000	0.0000	0.0000	
mainstem below sonar	4,199	0.0000	0.0013	0.0000	0.4192	0.0039	0.0000	0.3389	0.1138	0.0000	0.0000	0.1229	0.0000	0.0000	0.0000	0.0000	
mainstem above sonar	1,400	0.0000	0.0013	0.0000	0.4192	0.0039	0.0000	0.3389	0.1138	0.0000	0.0000	0.1229	0.0000	0.0000	0.0000	0.0000	
broodstock		0.0000	0.0013	0.0000	0.4192	0.0039	0.0000	0.3389	0.1138	0.0000	0.0000	0.1229	0.0000	0.0000	0.0000	0.0000	
#	8,724		0	11	0	3,657	34	0	2,957	993	0	0	1,072	0	0	8,724	
Crescent																	
Western Subdistrict PU	0	0.0000	0.0000	0.0000	0.0252	0.0000	0.0000	0.7283	0.0224	0.0000	0.0000	0.2241	0.0000	0.0000	0.0000	0.0000	
Sport above sonar	35	0.0000	0.0000	0.0000	0.0252	0.0000	0.0000	0.7283	0.0224	0.0000	0.0000	0.2241	0.0000	0.0000	0.0000	0.0000	
Fish Creek																	
sport (above weir)	0	0.0020	0.0083	0.0000	0.6543	0.0186	0.0000	0.2195	0.0662	0.0000	0.0311	0.0000	0.0000	0.0000	0.0000	0.0000	
PU (includes Knik Arm PU)	6,925	0.0020	0.0083	0.0000	0.6543	0.0186	0.0000	0.2195	0.0662	0.0000	0.0311	0.0000	0.0000	0.0000	0.0000	0.0000	
Sport (below weir)/Otoliths	0	0.0020	0.0083	0.0000	0.6543	0.0186	0.0000	0.2195	0.0662	0.0000	0.0311	0.0000	0.0000	0.0000	0.0000	0.0000	
Broodstock	2,808	0.0020	0.0083	0.0000	0.6543	0.0186	0.0000	0.2195	0.0662	0.0000	0.0311	0.0000	0.0000	0.0000	0.0000	0.0000	
Other - Pu & Sub. + (Kalgan)	0	0.0009	0.0000	0.0115	0.1095	0.0000	0.0000	0.6192	0.0519	0.0000	0.0054	0.1977	0.0010	0.0015	0.0014	0.0000	
Other Systems - sport above																	
Packers Creek																	
broodstock	#	0	0.0000	0.0018	0.0000	0.0719	0.0863	0.0000	0.0270	0.4839	0.0018	0.0000	0.3075	0.0180	0.0000	0.0018	0.0000
cost recovery	#	6,691	0.0000	0.0018	0.0000	0.0719	0.0863	0.0000	0.0270	0.4839	0.0018	0.0000	0.3075	0.0180	0.0000	0.0018	0.0000
sport	#	0	0.0000	0.0018	0.0000	0.0719	0.0863	0.0000	0.0270	0.4839	0.0018	0.0000	0.3075	0.0180	0.0000	0.0018	0.0000
Cottonwood Creek	1,118	0.0000	0.0126	0.0000	0.1050	0.0063	0.0000	0.1807	0.5988	0.0000	0.0000	0.0966	0.0000	0.0000	0.0000	0.0000	
Knik Arm - Other	6,365	0.0013	0.0000	0.0405	0.0614	0.0000	0.0000	0.6534	0.0447	0.0000	0.0032	0.1932	0.0013	0.0000	0.0010	0.0000	
West Cook Inlet (North)	1,140	0.0013	0.0000	0.0405	0.0614	0.0000	0.0000	0.6534	0.0447	0.0000	0.0032	0.1932	0.0013	0.0000	0.0010	0.0000	
West Cook Inlet (Sorth)	3,257	0.0009	0.0000	0.0115	0.1095	0.0000	0.0000	0.6192	0.0519	0.0000	0.0054	0.1977	0.0010	0.0015	0.0014	0.0000	
Anchorage Area	499	0.0016	0.0021	0.0132	0.2191	0.0019	0.0000	0.3498	0.1850	0.0000	0.0017	0.2060	0.0182	0.0007	0.0007	0.0000	
Other Kenai Peninsula	2,421	0.0009	0.0000	0.0115	0.1095	0.0000	0.0000	0.6192	0.0519	0.0000	0.0054	0.1977	0.0010	0.0015	0.0014	0.0000	
Saltwater - sport below																	
Other-saltwater-Anch.	38	0.0016	0.0021	0.0132	0.2191	0.0019	0.0000	0.3498	0.1850	0.0000	0.0017	0.2060	0.0182	0.0007	0.0007	0.0000	
Other-saltwater-KP/WCI	206	0.0009	0.0000	0.0115	0.1095	0.0000	0.0000	0.6192	0.0519	0.0000	0.0054	0.1977	0.0010	0.0015	0.0014	0.0000	
Other-saltwater-Knik Arm	32	0.0013	0.0000	0.0405	0.0614	0.0000	0.0000	0.6534	0.0447	0.0000	0.0032	0.1932	0.0013	0.0000	0.0010	0.0000	

Total Upper Cook Inlet personal use, subsistence, sport, cost recovery and broodstock harvests by age class and river system.

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna River-Total PU	0	0	26	38	0	0	272	15	1	1	89	0	1	0	0	442
PU (Tyonek,General,Kustatan)	0	0	4	5	0	0	39	2	0	0	13	0	0	0	0	63
Yentna PU	0	0	22	33	0	0	233	13	1	1	76	0	1	0	0	379
eastside sport	0	0	399	587	0	0	4,195	225	12	12	1,373	0	12	0	0	6,816
westside sport	0	0	272	400	0	0	2,860	153	8	8	936	0	8	0	0	4,647
Total Sport	0	0	672	987	0	0	7,054	378	21	21	2,310	0	21	0	0	11,463
Kenai River -Total	0	796	2,815	51,332	16,200	0	186,039	39,762	115	3,377	56,625	2,542	1,689	57	0	361,350
PU & Sub (includes Eastern)	0	169	846	15,244	2,539	0	54,864	9,310	0	1,016	14,398	677	508	0	0	99,571
mainstem sport below sonar	0	98	492	8,857	1,475	0	31,874	5,409	0	590	8,365	393	295	0	0	57,848
mainstem sport above sonar	0	294	1,472	26,507	4,415	0	95,397	16,188	0	1,766	25,035	1,177	883	0	0	173,135
Russian River	0	233	0	638	7,757	0	3,591	8,803	115	0	8,745	290	0	57	0	30,229
other - Hidden, Skilak, etc.	0	1	5	87	14	0	312	53	0	6	82	4	3	0	0	567
Total Sport-above sonar	0	528	1,476	27,232	12,186	0	99,301	25,044	115	1,772	33,863	1,471	886	57	0	203,931
Kasilof River -Total	0	69	0	22,207	207	0	17,953	6,028	0	0	6,511	0	0	0	0	52,974
PU & Sub	0	50	0	16,202	151	0	13,099	4,398	0	0	4,750	0	0	0	0	38,651
mainstem sport below sonar	0	5	0	1,760	16	0	1,423	478	0	0	516	0	0	0	0	4,199
mainstem sport above sonar	0	2	0	587	5	0	474	159	0	0	172	0	0	0	0	1,400
broodstock (egg take)	0	11	0	3,657	34	0	2,957	993	0	0	1,072	0	0	0	0	8,724
Crescent River - Total	0	0	0	1	0	0	25	1	0	0	8	0	0	0	0	35
Western Subdistrict PU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sport above sonar	0	0	0	1	0	0	25	1	0	0	8	0	0	0	0	35
Fish Creek - Total	20	81	0	6,382	181	0	2,141	646	0	0	303	0	0	0	0	9,754
sport (above weir)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PU (includes Knik Arm PU)	14	57	0	4,531	129	0	1,520	458	0	0	215	0	0	0	0	6,925
sport (below weir)/Otoliths	0	0	0	14	0	0	5	1	0	0	1	0	0	0	0	21
broodstock	6	23	0	1,837	52	0	616	186	0	0	87	0	0	0	0	2,808
Other - Pu & Sub. + (Kalgan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Systems - sport above																
Packers Creek - sport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cottonwood Creek-sport	0	14	0	117	7	0	202	669	0	0	108	0	0	0	0	1,118
Knik Arm - Other-sport	8	0	258	391	0	0	4,159	285	0	20	1,230	8	0	6	0	6,365
Anchorage Area-sport	1	1	7	109	1	0	175	92	0	1	103	9	0	0	0	499
West Cook Inlet-sport																
north	1	0	46	70	0	0	745	51	0	4	220	1	0	1	0	1,140
south	3	0	37	357	0	0	2,017	169	0	18	644	3	5	5	0	3,257
Other-Kenai Pen.-sport	2	0	28	265	0	0	1,499	126	0	13	479	2	4	3	0	2,421
Saltwater - sport below																
Other-saltwater-Anch.	0	0	1	8	0	0	13	7	0	0	8	1	0	0	0	38
Other-saltwater-KP/WCI	0	0	2	23	0	0	128	11	0	1	41	0	0	0	0	206
Other-saltwater-Knik Arm	0	0	1	2	0	0	21	1	0	0	6	0	0	0	0	32
Total Other System	16	27	380	1,823	585	0	9,139	4,649	12	57	4,896	146	9	28	0	21,767
PU & Sub	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sport above	16	15	376	1,309	8	0	8,796	1,392	0	56	2,783	25	9	16	0	14,800
sport - saltwater below	0	0	4	33	0	0	162	19	0	1	55	1	0	0	0	276
cost recovery - egg take	0	12	0	481	577	0	181	3,238	12	0	2,057	120	0	12	0	6,691

Summary Worksheet for adjusted percent of age classes for all systems

Sum of escapement+subsistence+personal use+sport below sonar = weighted escapement past commercial fishery

to estimate adjusted proportion by age class

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	0	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	15,235	22,384	0	0	159,989	8,579	468	468	52,385	0	468	0	0	259,975	
Sunshine																	
Yentna																	
Other																	
Kenai	0	1,329	6,647	119,724	19,941	0	430,880	73,117	0	7,976	113,077	5,318	3,988	0	0	781,997	
Kasilof	0	389	0	125,300	1,166	0	101,298	34,015	0	0	36,735	0	0	0	0	298,903	
Crescent	0	0	0	1,426	0	0	41,221	1,268	0	0	12,684	0	0	0	0	56,599	
Fish Creek	53	220	0	17,325	493	0	5,812	1,753	0	0	823	0	0	0	0	26,479	
Other	173	12	2,361	20,884	578	0	117,492	13,012	12	1,007	39,417	312	274	274	0	195,808	
Total	226	1,950	24,243	307,044	22,177	0	856,692	131,744	480	9,451	255,122	5,630	4,730	274	0	1,619,762	

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Adjusted percent of age classes for all systems included.

Adjusted percent of age classes for Susitna, Kenai, Kasilof, Fish Creek, and Other.

River System	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)
Susitna	0.000	0.000	62.841	7.324	0.000	0.000	19.619	6.575	97.491	4.951	21.608	0.000	9.893	0.000	0.000
Sunshine															
Yentna															
Other															
Kenai	0.000	68.179	27.418	39.174	89.919	0.000	52.838	56.039	0.000	84.395	46.642	94.456	84.314	0.000	0.000
Kasilof	0.000	19.928	0.000	40.999	5.257	0.000	12.422	26.070	0.000	0.000	15.152	0.000	0.000	0.000	0.000
Crescent															
Fish Creek	23.457	11.271	0.000	5.669	2.221	0.000	0.713	1.343	0.000	0.000	0.340	0.000	0.000	0.000	0.000
Other	76.543	0.622	9.740	6.834	2.604	0.000	14.408	9.973	2.509	10.654	16.259	5.544	5.793	100.000	0.000
	100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	0.000

Adjusted percent of age classes for Kenai and Kasilof.

River System	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)
Susitna	0.000	77.382	100.000	48.862	94.477	0.000	80.965	68.249	0.000	100.000	75.479	100.000	100.000	0.000	0.000
Sunshine															
Yentna															
Other															
Kenai	0.000	22.618	0.000	51.138	5.523	0.000	19.035	31.751	0.000	0.000	24.521	0.000	0.000	0.000	0.000
Kasilof															
Crescent															
Fish Creek															
Other															
	0.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	0.000	100.000	100.000	100.000	100.000	0.000	0.000

Adjusted percent of age classes for Susitna, Fish Creek, and Other.

River System	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)
Susitna	0.000	0.000	86.580	36.941	0.000	0.000	56.475	36.751	97.491	31.728	56.555	0.000	63.070	0.000	0.000
Sunshine															
Yentna															
Kenai															
Kasilof															
Crescent															
Fish Creek	23.457	94.772	0.000	28.593	46.028	0.000	2.052	7.509	0.000	0.000	0.889	0.000	0.000	0.000	0.000
Other	76.543	5.228	13.420	34.466	53.972	0.000	41.474	55.740	2.509	68.272	42.555	100.000	36.930	100.000	0.000
	100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	0.000

Allocation of Commercial Harvest

Drift	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	4,743	5,263	0	0	79,727	2,240	0	175	28,036	0	97	0	0	120,282
Kenai	0	0	2,069	28,152	0	0	214,721	19,088	0	2,991	60,517	620	830	0	0	328,988
Kasilof	0	0	0	29,463	0	0	50,480	8,880	0	0	19,660	0	0	0	0	108,483
Fish Creek	139	0	0	4,074	0	0	2,896	458	0	0	441	0	0	0	0	8,007
Other	452	0	735	4,911	0	0	58,550	3,397	0	378	21,096	36	57	919	0	90,530
Total	591	0	7,547	71,864	0	0	406,375	34,061	0	3,544	129,749	656	984	919	0	656,290
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salamatof	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Kenai	0	0	774	12,388	0	0	96,243	9,471	0	2,071	23,694	948	0	0	0	145,589
Kasilof	0	0	0	12,965	0	0	22,626	4,406	0	0	7,697	0	0	0	0	47,695
Total	0	0	774	25,353	0	0	118,870	13,877	0	2,071	31,392	948	0	0	0	193,284
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	252	0	252
Kalifornsky	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Kenai	0	0	745	18,983	0	0	73,460	10,814	0	781	26,019	145	145	0	0	131,093
Kasilof	0	0	0	19,867	0	0	17,270	5,031	0	0	8,453	0	0	0	0	50,621
Total	0	0	745	38,850	0	0	90,730	15,845	0	781	34,471	145	145	0	0	181,714
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cohoe/Ninilchik	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Kenai	0	12	587	24,169	29	0	47,645	12,575	0	1,005	18,994	742	0	0	0	105,758
Kasilof	0	3	0	25,295	2	0	11,201	5,850	0	0	6,171	0	0	0	0	48,522
Total	0	15	587	49,464	31	0	58,846	18,425	0	1,005	25,165	742	0	0	0	154,280
remainder	294	0	0	0	0	0	0	0	0	0	0	0	0	0	0	294
Western	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Crescent	0	0	0	934	0	0	26,994	830	0	0	8,306	0	0	0	0	37,064
Total	0	0	0	934	0	0	26,994	830	0	0	8,306	0	0	0	0	37,064
Kustatan	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	98	63	0	0	1,032	46	0	3	306	0	0	0	0	1,548
Fish Creek	1	0	0	49	0	0	37	9	0	0	5	0	0	0	0	102
Other	3	0	15	59	0	0	758	70	0	6	230	4	0	3	0	1,147
Total	4	0	113	172	0	0	1,828	125	0	9	540	4	0	3	0	2,797
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Allocation of Commercial Harvest

Kalgin Island	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	380	422	0	0	6,392	180	0	14	2,248	0	8	0	0	9,643
Kenai	0	0	166	2,257	0	0	17,215	1,530	0	240	4,852	50	67	0	0	26,376
Kasilof	0	0	0	2,362	0	0	4,047	712	0	0	1,576	0	0	0	0	8,697
Fish Creek	11	0	0	327	0	0	232	37	0	0	35	0	0	0	0	642
Other	36	0	59	394	0	0	4,694	272	0	30	1,691	3	5	74	0	7,258
Total	47	0	605	5,761	0	0	32,580	2,731	0	284	10,402	53	79	74	0	52,616
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chinitna Bay	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kasilof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General - Knik Arm	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	1,112	719	0	0	11,702	521	0	32	3,465	0	0	0	0	17,551
Fish Creek	10	0	0	557	0	0	425	106	0	0	54	0	0	0	0	1,152
Other	32	0	172	671	0	0	8,593	790	0	69	2,607	41	0	32	0	13,008
Total	41	0	1,284	1,947	0	0	20,720	1,417	0	101	6,127	41	0	32	0	31,711
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eastern	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	138	976	0	0	2,382	820	0	7	1,405	0	5	0	0	5,732
Fish Creek	5	24	0	755	11	0	87	167	0	0	22	0	0	0	0	1,070
Other	15	1	21	910	12	0	1,749	1,243	0	14	1,057	219	3	8	0	5,255
Total	19	25	159	2,642	23	0	4,218	2,231	0	20	2,484	219	8	8	0	12,057
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Knik Arm	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total UCI																
Comm. Harvest	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	6,471	7,444	0	0	101,235	3,806	0	231	35,458	0	111	0	0	154,756
Kenai	0	12	4,342	85,949	29	0	449,284	53,478	0	7,088	134,075	2,505	1,042	0	0	737,804
Kasilof	0	3	0	89,953	2	0	105,625	24,879	0	0	43,557	0	0	0	0	264,019
Crescent	0	0	0	934	0	0	26,994	830	0	0	8,306	0	0	0	0	37,064
Fish Creek	165	24	0	5,762	11	0	3,678	778	0	0	557	0	0	0	0	10,974
Other	537	1	1,003	6,945	12	0	74,344	5,772	0	497	26,681	304	65	1,035	0	117,198
Total	702	41	11,816	196,987	54	0	761,159	89,543	0	7,816	248,635	2,809	1,217	1,035	0	1,321,814
remainders	294	0	0	0	0	0	0	0	0	0	0	0	0	252	0	545
															1,322,359	

Allocation of Commercial Harvest

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Upper Cook Inlet commercial harvest, escapement and total return by age class.**Total Upper Cook Inlet commercial harvest by age class and river system.**

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	6,471	7,444	0	0	101,235	3,806	0	231	35,458	0	111	0	0	154,756
Kenai	0	12	4,342	85,949	29	0	449,284	53,478	0	7,088	134,075	2,505	1,042	0	0	737,804
Kasilof	0	3	0	89,953	2	0	105,625	24,879	0	0	43,557	0	0	0	0	264,019
Crescent	0	0	0	934	0	0	26,994	830	0	0	8,306	0	0	0	0	37,064
Fish Creek	234	24	0	5,762	11	0	3,678	778	0	0	557	0	0	0	0	11,043
Other	762	1	1,003	6,945	12	0	74,344	5,772	0	497	26,681	304	65	1,287	0	117,674
Total	996	41	11,816	196,987	54	0	761,159	89,543	0	7,816	248,635	2,809	1,217	1,287	0	1,322,359

Total Upper Cook Inlet escapement by age class.

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	15,209	22,346	0	0	159,717	8,565	467	467	52,296	0	467	0	0	259,533
Kenai	0	1,062	5,309	95,623	15,927	0	344,142	58,398	0	6,371	90,314	4,247	3,185	0	0	624,578
Kasilof	0	333	0	107,337	999	0	86,776	29,139	0	0	31,469	0	0	0	0	256,053
Crescent	0	0	0	1,426	0	0	41,221	1,268	0	0	12,684	0	0	0	0	56,599
Fish Creek	39	162	0	12,780	363	0	4,287	1,293	0	0	607	0	0	0	0	19,533
Other	164	0	2,098	19,978	0	0	112,970	9,469	0	985	36,069	182	274	255	0	182,444
Total	203	1,557	22,616	259,491	17,289	0	749,114	108,131	467	7,823	223,439	4,430	3,926	255	0	1,398,741

Upper Cook Inlet total return including personal use, subsistence and sport caught fish below the sonar sites or weir by age class and river system.

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	21,683	29,795	0	0	260,990	12,373	467	698	87,767	0	578	0	0	414,352
Kenai	0	1,341	10,989	205,673	19,970	0	880,164	126,595	0	15,064	247,152	7,823	5,030	0	0	1,519,801
Kasilof	0	392	0	215,253	1,167	0	206,923	58,894	0	0	80,292	0	0	0	0	562,922
Crescent	0	0	0	2,360	0	0	68,215	2,098	0	0	20,990	0	0	0	0	93,663
Fish Creek	287	244	0	23,073	503	0	9,485	2,529	0	0	1,380	0	0	0	0	37,501
Other	927	13	3,105	27,437	590	0	187,656	18,498	12	1,484	64,862	607	339	1,555	0	307,086
Total	1,213	1,990	35,777	503,592	22,230	0	1,613,434	220,986	479	17,246	502,444	8,430	5,947	1,555	0	2,935,324

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, .

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna:																
comm. harvest	0	0	6,471	7,444	0	0	101,235	3,806	0	231	35,458	0	111	0	0	154,756
spawners	0	0	14,515	21,326	0	0	152,429	8,174	446	446	49,910	0	446	0	0	247,691
other	0	0	698	1,025	0	0	7,326	393	21	21	2,399	0	21	0	0	11,905
Total	0	0	21,683	29,795	0	0	260,990	12,373	467	698	87,767	0	578	0	0	414,352
Kenai:																
comm. harvest	0	12	4,342	85,949	29	0	449,284	53,478	0	7,088	134,075	2,505	1,042	0	0	737,804
spawners	0	534	3,832	68,391	3,741	0	244,841	33,354	(115)	4,599	56,451	2,776	2,299	(57)	0	420,647
other	0	796	2,815	51,332	16,200	0	186,039	39,762	115	3,377	56,625	2,542	1,689	57	0	361,350
Total	0	1,341	10,989	205,673	19,970	0	880,164	126,595	0	15,064	247,152	7,823	5,030	0	0	1,519,801
Kasilof :																
comm. harvest	0	3	0	89,953	2	0	105,625	24,879	0	0	43,557	0	0	0	0	264,019
spawners	0	320	0	103,093	959	0	83,345	27,987	0	0	30,225	0	0	0	0	245,929
other	0	69	0	22,207	207	0	17,953	6,028	0	0	6,511	0	0	0	0	52,974
Total	0	392	0	215,253	1,167	0	206,923	58,894	0	0	80,292	0	0	0	0	562,922
Crescent:																
comm. harvest	0	0	0	934	0	0	26,994	830	0	0	8,306	0	0	0	0	37,064
spawners	0	0	0	1,425	0	0	41,196	1,267	0	0	12,676	0	0	0	0	56,564
other	0	0	0	1	0	0	25	1	0	0	8	0	0	0	0	35
Total	0	0	0	2,360	0	0	68,215	2,098	0	0	20,990	0	0	0	0	93,663
Fish Creek:																
comm. harvest	234	24	0	5,762	11	0	3,678	778	0	0	557	0	0	0	0	11,043
spawners	33	139	0	10,943	311	0	3,671	1,107	0	0	520	0	0	0	0	16,725
other	20	81	0	6,382	181	0	2,141	646	0	0	303	0	0	0	0	9,754
Total	287	244	0	23,087	503	0	9,490	2,531	0	0	1,381	0	0	0	0	37,522
Other:																
comm. harvest	762	1	1,003	6,945	12	0	74,344	5,772	0	497	26,681	304	65	1,287	0	117,674
spawners	149	(15)	1,722	18,668	(8)	0	104,173	8,077	0	930	33,286	158	265	240	0	167,644
other	16	27	380	1,823	585	0	9,139	4,649	12	57	4,896	146	9	28	0	21,767
Total	927	13	3,105	27,437	590	0	187,656	18,498	12	1,484	64,862	607	339	1,555	0	307,086
UCI Total:																
comm. harvest	996	41	11,816	196,987	54	0	761,159	89,543	0	7,816	248,635	2,809	1,217	1,287	0	1,322,359
spawners	182	977	20,069	223,848	5,003	0	629,656	79,966	331	5,974	183,068	2,934	3,010	182	0	1,155,201
other	35	973	3,892	82,770	17,174	0	222,623	51,479	148	3,456	70,741	2,688	1,719	86	0	457,785
Grand Total	1,213	1,991	35,777	503,605	22,230	0	1,613,439	220,988	479	17,246	502,444	8,430	5,947	1,555	0	2,935,345

Data Out

2000	1	1	0	0	6471	7444	0	0	101235	3806	0	231	35458	0	111	0	0	154756
2000	1	2	0	0	14515	21326	0	0	152429	8174	446	446	49910	0	446	0	0	247691
2000	1	3	0	0	698	1025	0	0	7326	393	21	21	2399	0	21	0	0	11905
2000	2	1	0	12	4342	85949	29	0	449284	53478	0	7088	134075	2505	1042	0	0	737804
2000	2	2	0	534	3832	68391	3741	0	244841	33354	-115	4599	56451	2776	2299	-57	0	420647
2000	2	3	0	796	2815	51332	16200	0	186039	39762	115	3377	56625	2542	1689	57	0	361350
2000	3	1	0	3	0	89953	2	0	105625	24879	0	0	43557	0	0	0	0	264019
2000	3	2	0	320	0	103093	959	0	83345	27987	0	0	30225	0	0	0	0	245929
2000	3	3	0	69	0	22207	207	0	17953	6028	0	0	6511	0	0	0	0	52974
2000	4	1	0	0	0	934	0	0	26994	830	0	0	8306	0	0	0	0	37064
2000	4	2	0	0	0	1425	0	0	41196	1267	0	0	12676	0	0	0	0	56564
2000	4	3	0	0	0	1	0	0	25	1	0	0	8	0	0	0	0	35
2000	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	8	1	234	24	0	5762	11	0	3678	778	0	0	557	0	0	0	0	11043
2000	8	2	33	139	0	10943	311	0	3671	1107	0	0	520	0	0	0	0	16725
2000	8	3	20	81	0	6382	181	0	2141	646	0	0	303	0	0	0	0	9754
2000	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	10	1	762	1	1003	6945	12	0	74344	5772	0	497	26681	304	65	1287	0	117674
2000	10	2	149	-15	1722	18668	-8	0	104173	8077	0	930	33286	158	265	240	0	167644
2000	10	3	16	27	380	1823	585	0	9139	4649	12	57	4896	146	9	28	0	21767

Hidden Lake enhancement total return worksheet.

Return Year	Spawners Hidden	Hatchery Proportion	Hidden Enhanced	Exploitation Rate			Age Composition (#) (E)			Total Return			Sport Harvest & PU {O} & Commercial Catch (C)		
				Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2
2000	44,343	0.62	27,493	0.644	0.700	0.646	22,522	2,334	2,637	63,184	7,786	7,455	40,662	5,452	4,818
Hidden age comp.							0.8192	0.0849					35.1%	27.1%	34.6%
Cost Recovery #/otoliths			Egg Take #										14,258	1,478	1,669 [O]
773			1342										26,404	3,975	3,149 [C]
Hidden harvests															
Other"	2,115	0.62	1,311				1074	111		126 Enhanced (add to Hidden Enhanced 'other')					

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN

(Russian River and Upper Kenai River sport harvest not used.)

Kenai:	1.2(42) 1.3(52) 2.2(53)
Exploitation Rate	0.644 0.700 0.646
Commercial Harvest	85,949 449,284 53,478
PU & Sub (includes Eastern)	15,244 54,864 9,310
mainstem sport below sonar	8,857 31,874 5,409
mainstem sport above sonar minus Kenai to Skilak harvest	22,224 79,982 13,572
other sport (Hidden, Skilak, Moose)	87 312 53
Total PU & Sport Harvests	46,411 167,032 28,344
Percent other harvest	35.1% 27.1% 34.6%
Russian River harvest	638 3,591 8,803
spawners - Cook Inlet to Skilak Lake	73,313 263,849 44,773
Total Return from Cook Inlet to Skilak	205,673 880,164 126,595

calculations for Kenai to Skilak Harvest

age composition - Kenai	0.1531	0.5510	0.0935
Kenai to Skilak Harvest	27,978	4,283	15,416 2,616

Data Out with Hidden Creek Enhanced added and Kenai River and "Other" sport harvest age classes removed.

2000	1	1	0	0	6471	7444	0	0	101235	3806	0	231	35458	0	111	0	0	0	154756
2000	1	2	0	0	14515	21326	0	0	152429	8174	446	446	49910	0	446	0	0	0	247691
2000	1	3	0	0	698	1025	0	0	7326	393	21	21	2399	0	21	0	0	0	11905
2000	2	1	0	12	4342	59545	29	0	445309	50329	0	7088	134075	2505	1042	0	0	0	704276
2000	2	2	0	534	3832	45869	3741	0	242507	30718	0	4599	56451	2776	2299	0	0	0	393327
2000	2	3	0	796	2815	36000	16200	0	184450	37968	0	3377	56625	2542	1689	0	0	0	342462
2000	3	1	0	3	0	89953	2	0	105625	24879	0	0	43557	0	0	0	0	0	264019
2000	3	2	0	320	0	103093	959	0	83345	27987	0	0	30225	0	0	0	0	0	245929
2000	3	3	0	69	0	22207	207	0	17953	6028	0	0	6511	0	0	0	0	0	52974
2000	4	1	0	0	0	934	0	0	26994	830	0	0	8306	0	0	0	0	0	37064
2000	4	2	0	0	0	1425	0	0	41196	1267	0	0	12676	0	0	0	0	0	56564
2000	4	3	0	0	0	1	0	0	25	1	0	0	8	0	0	0	0	0	35
2000	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	6	1	0	0	0	26404	0	0	3975	3149	0	0	0	0	0	0	0	0	33528
2000	6	2	0	0	0	22522	0	0	2334	2637	0	0	0	0	0	0	0	0	27493
2000	6	3	0	0	0	15332	0	0	1589	1795	0	0	0	0	0	0	0	0	18716
2000	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	8	1	234	24	0	5762	11	0	3678	778	0	0	557	0	0	0	0	0	11043
2000	8	2	33	139	0	10943	311	0	3671	1107	0	0	520	0	0	0	0	0	16725
2000	8	3	20	81	0	6382	181	0	2141	646	0	0	303	0	0	0	0	0	9754
2000	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	10	1	762	1	1003	6945	12	0	74344	5772	0	497	26681	304	65	1287	0	0	117674
2000	10	2	149	0	1722	18668	0	0	104173	8077	0	930	33286	158	265	240	0	0	167668
2000	10	3	16	12	380	1823	577	0	9139	4649	12	57	4896	146	9	28	0	0	21743

Appendix A. Escapement and harvest estimates and age composition data used to estimate total return by river system.

Upper Cook Inlet Total Return Worksheet

2001

Escapement	Commercial Harvest	Subsistence/PU Harvest	Sport Harvest
Susitna 162,887	Drift 3/ 846,257	Tyonek 172	Susitna River 12,244
Sunshine 1/ 79,355	Salamatof 112,970	General 0	eastsideside 6,776
Yentna 83,532	Kalifonsky 309,737	Kasiloc dip net 37,612	westside 5,468
Kenai 650,036	Cohoe/Ninilchik 447,312	Kasiloc gill net 17,201	Kenai River 219,507
Kasiloc 307,570	Western 24,043	Western 0	mainstem below sonar 51,259
Crescent 78,081	Kustatan 4/ 7,354	Kenai dip net 150,766	mainstem above sonar 149,503
Fish Creek 43,486	Kalgin Island 5/ 28,312	Kenai gillnet 0	Russian River 18,550
Other 2/ 186,309	Chinitna Bay 6/ 0	Kenaitze 1,813	other Hidden 195
	General- Knik Arm 25,584	Kalgin 0	Kasiloc River 6,005
	Eastern 25,264	Fish dip net 436	mainstem below sonar 4,504
	Knik Arm 0	Fish gill net 0	mainstem above sonar 1,501
		Kustatan 0	Crescent River 0
		Eastern 0	Fish Creek 10
		Knik 0	Packers Creek 0
		Other combined UCI 12,673	Cottonwood Creek 314
		Upper Yentna 545	Knik Arm 3,917
			Anchorage Area 623
Total 1,428,369	Total 1,826,833	Total 221,218	West Cook Inlet north 2,607
			south 1,285
			Other Kenai Peninsula 1,984
			Other Saltwater Anchorage 40
			Kenai Pen./West Cook Inlet 1,837
			Knik Arm 87
			above sonar/weir 192,723
			below sonar/weir 57,737

Footnotes and sources of information:

Escapement:

1/ Sunshine estimate derived by using mean ratio of Sunshine on Yentna escapement 1981-85.

$$Y = 0.95 * X$$

where Y = Sunshine and

X = Yentna.

2/ Other represents 15% of total monitored escapement - drift age composition used.
assume an added 15% for unmonitored escapements for weighting escapement age composition.

Commercial Harvest	1,827,000
Spawners	1,222,000
Other Harvests	485,000
Total Return	3,534,000

Commercial Harvest:

3/ Drift represents all substatistical harvest areas with Drift gillnet except Chinitna Bay.

4/ Kustatan - age composition of General Subdistrict westside used.

5/ Kalgin Island - age composition of drift used.

6/ Chinitna - age composition of drift used.

Subsistence and Personal Use harvests:

Age composition of nearest river used.

Sport Harvest estimates:

Statewide Harvest Database 2003

References:

Escapement, Commercial Harvest & Egg Takes:

Fandrei 2001a

Fandrei 2001b

Tobias and Willette 2002

Fox and Shields 2001b

Subsistence and Personal Use harvests:

Brown et al 2003

Summary worksheet for entering escapement age composition (proportions).

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Summary worksheet for entering commercial harvest age composition (proportions).

Summary worksheet calculating total escapement by age class

River System	Escapement	Total															
		0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	162,887	0	1,368	5,489	34,630	684	0	77,860	13,715	0	0	28,798	0	0	342	0	162,887
Sunshine	79,355	0	667	2,674	16,871	333	0	37,932	6,682	0	0	14,030	0	0	167	0	79,355
Yentna	83,532	0	702	2,815	17,759	351	0	39,928	7,033	0	0	14,768	0	0	175	0	83,532
Kenai	650,036	0	2,145	0	70,334	9,751	0	447,745	54,083	0	5,395	59,478	0	0	1,105	0	650,036
Kasilof	307,570	0	1,076	0	89,995	554	0	149,387	50,718	0	554	14,733	554	0	0	0	307,570
Crescent	78,081	0	0	0	12,282	414	0	16,374	17,748	0	679	30,303	0	141	141	0	78,081
Fish Creek	43,486	0	2,122	183	12,354	848	0	21,499	3,875	61	0	2,483	61	0	0	0	43,486
Other	186,309	317	0	1,938	16,861	0	0	132,261	9,111	0	540	25,226	19	0	37	0	186,309
Total	1,428,369	317	6,712	7,610	236,456	12,250	0	845,126	149,249	61	7,169	161,022	633	141	1,625	0	1,428,369

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Summary worksheet calculating total commercial harvest by age composition.

Fishery	Harvest	Commercial															
		0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Drift	846,257	1,439	0	8,801	76,586	0	0	600,758	41,382	0	2,454	114,583	85	0	169	0	846,257
Salamatof	112,970	34	34	226	12,291	181	0	82,287	3,107	0	949	13,861	0	0	0	0	112,970
Kalifonsky	309,737	0	0	1,270	37,943	93	0	208,298	22,673	0	2,199	36,270	124	650	217	0	309,737
Cohoe/Ninilchik	447,312	0	179	671	114,825	313	0	235,107	55,288	0	984	39,498	134	179	134	0	447,312
Western	24,043	0	0	0	8,170	0	0	2,587	1,354	0	0	11,639	0	0	293	0	24,043
Kustatan	7,354	17	0	268	603	0	0	4,357	302	0	50	1,708	16	16	17	0	7,354
Kalgin Island	28,312	48	0	294	2,562	0	0	20,099	1,384	0	82	3,833	3	0	6	0	28,312
Chinitna Bay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	25,584	59	0	934	2,098	0	0	15,156	1,049	0	174	5,943	56	56	59	0	25,584
Eastern	25,264	53	10	1,367	5,707	227	0	11,616	2,026	0	126	4,035	15	0	81	0	25,264
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,826,833	1,649	223	13,831	260,785	814	0	1,180,265	128,564	0	7,019	231,371	433	902	976	0	1,826,833

Summary Worksheet for entering age compositon for Pu, subsistence, sport harvest, broodstock and cost recovery components.

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total		
Susitna River																		
PU Yentna	545	0.0000	0.0084	0.0337	0.2126	0.0042	0.0000	0.4780	0.0842	0.0000	0.0000	0.1768	0.0000	0.0000	0.0021	0.0000	1.0000	
PU (Tyonek, General, Kustatan)	172	0.0000	0.0084	0.0337	0.2126	0.0042	0.0000	0.4780	0.0842	0.0000	0.0000	0.1768	0.0000	0.0000	0.0021	0.0000	1.0000	
eastside sport	6,776	0.0000	0.0084	0.0337	0.2126	0.0042	0.0000	0.4780	0.0842	0.0000	0.0000	0.1768	0.0000	0.0000	0.0021	0.0000	1.0000	
westside sport	5,468	0.0000	0.0084	0.0337	0.2126	0.0042	0.0000	0.4780	0.0842	0.0000	0.0000	0.1768	0.0000	0.0000	0.0021	0.0000	1.0000	
Kenai River																		
PU & Sub (includes Eastern)	152,579	0.0000	0.0033	0.0000	0.1082	0.0150	0.0000	0.6888	0.0832	0.0000	0.0083	0.0915	0.0000	0.0000	0.0017	0.0000	1.0000	
mainstem below sonar	51,259	0.0000	0.0033	0.0000	0.1082	0.0150	0.0000	0.6888	0.0832	0.0000	0.0083	0.0915	0.0000	0.0000	0.0017	0.0000	1.0000	
mainstem above sonar	149,503	0.0000	0.0033	0.0000	0.1082	0.0150	0.0000	0.6888	0.0832	0.0000	0.0083	0.0915	0.0000	0.0000	0.0017	0.0000	1.0000	
Russian River	18,550	0.0000	0.0309	0.0000	0.0658	0.4095	0.0000	0.0885	0.2695	0.0041	0.0000	0.1296	0.0000	0.0000	0.0021	0.0000	1.0000	
other - Hidden, Skilak, etc.	195	0.0000	0.0033	0.0000	0.1082	0.0150	0.0000	0.6888	0.0832	0.0000	0.0083	0.0915	0.0000	0.0000	0.0017	0.0000	1.0000	
Kasilof River																		
PU & Subsistence	54,813	0.0000	0.0035	0.0000	0.2926	0.0018	0.0000	0.4857	0.1649	0.0000	0.0018	0.0479	0.0018	0.0000	0.0000	0.0000	1.0000	
mainstem below sonar	4,504	0.0000	0.0035	0.0000	0.2926	0.0018	0.0000	0.4857	0.1649	0.0000	0.0018	0.0479	0.0018	0.0000	0.0000	0.0000	1.0000	
mainstem above sonar	1,501	0.0000	0.0035	0.0000	0.2926	0.0018	0.0000	0.4857	0.1649	0.0000	0.0018	0.0479	0.0018	0.0000	0.0000	0.0000	1.0000	
broodstock	0	0.0000	0.0035	0.0000	0.2926	0.0018	0.0000	0.4857	0.1649	0.0000	0.0018	0.0479	0.0018	0.0000	0.0000	0.0000	1.0000	
#	8,724	0	31	0	2,553	16	0	4,237	1,439	0	16	418	16	0	0	0	8,724	
Crescent																		
Western Subdistrict PU	0	0.0000	0.0000	0.0000	0.1573	0.0053	0.0000	0.2097	0.2273	0.0000	0.0087	0.3881	0.0000	0.0018	0.0018	0.0000	1.0000	
Sport above sonar	0	0.0000	0.0000	0.0000	0.1573	0.0053	0.0000	0.2097	0.2273	0.0000	0.0087	0.3881	0.0000	0.0018	0.0018	0.0000	1.0000	
Fish Creek																		
sport (above weir)	0	0.0000	0.0488	0.0042	0.2841	0.0195	0.0000	0.4944	0.0891	0.0014	0.0000	0.0571	0.0014	0.0000	0.0000	0.0000	1.0000	
PU (includes Knik Arm PU)	436	0.0000	0.0488	0.0042	0.2841	0.0195	0.0000	0.4944	0.0891	0.0014	0.0000	0.0571	0.0014	0.0000	0.0000	0.0000	1.0000	
Sport (below weir)/Otoliths	0	10	0.0000	0.0488	0.0042	0.2841	0.0195	0.0000	0.4944	0.0891	0.0014	0.0000	0.0571	0.0014	0.0000	0.0000	0.0000	1.0000
Broodstock	4,383	0.0000	0.0488	0.0042	0.2841	0.0195	0.0000	0.4944	0.0891	0.0014	0.0000	0.0571	0.0014	0.0000	0.0000	0.0000	1.0000	
Other - Pu & Sub. + (Kalgan)	12,673	0.0017	0.0000	0.0104	0.0905	0.0000	0.0000	0.7099	0.0489	0.0000	0.0029	0.1354	0.0001	0.0000	0.0002	0.0000	1.0000	
Other Systems - sport above																		
Packers Creek																		
broodstock	#	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
cost recovery	#	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
sport	#	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Cottonwood Creek	314	0.0000	0.0306	0.0000	0.6032	0.0068	0.0000	0.0443	0.2112	0.0000	0.0000	0.1039	0.0000	0.0000	0.0000	0.0000	1.0000	
Knik Arm - Other	3,917	0.0023	0.0000	0.0365	0.0820	0.0000	0.0000	0.5924	0.0410	0.0000	0.0068	0.2323	0.0022	0.0022	0.0023	0.0000	1.0000	
West Cook Inlet (North)	2,607	0.0023	0.0000	0.0365	0.0820	0.0000	0.0000	0.5924	0.0410	0.0000	0.0068	0.2323	0.0022	0.0022	0.0023	0.0000	1.0000	
West Cook Inlet (Sorth)	1,285	0.0017	0.0000	0.0104	0.0905	0.0000	0.0000	0.7099	0.0489	0.0000	0.0029	0.1354	0.0001	0.0000	0.0002	0.0000	1.0000	
Anchorage Area	623	0.0021	0.0004	0.0541	0.2259	0.0090	0.0000	0.4598	0.0802	0.0000	0.0050	0.1597	0.0006	0.0000	0.0032	0.0000	1.0000	
Other Kenai Peninsula	1,984	0.0017	0.0000	0.0104	0.0905	0.0000	0.0000	0.7099	0.0489	0.0000	0.0029	0.1354	0.0001	0.0000	0.0002	0.0000	1.0000	
Saltwater - sport below																		
Other-saltwater-Anch.	40	0.0021	0.0004	0.0541	0.2259	0.0090	0.0000	0.4598	0.0802	0.0000	0.0050	0.1597	0.0006	0.0000	0.0032	0.0000	1.0000	
Other-saltwater-KP/WCI	1,837	0.0017	0.0000	0.0104	0.0905	0.0000	0.0000	0.7099	0.0489	0.0000	0.0029	0.1354	0.0001	0.0000	0.0002	0.0000	1.0000	
Other-saltwater-Knik Arm	87	0.0023	0.0000	0.0365	0.0820	0.0000	0.0000	0.5924	0.0410	0.0000	0.0068	0.2323	0.0022	0.0022	0.0023	0.0000	1.0000	

Total Upper Cook Inlet personal use, subsistence, sport, cost recovery and broodstock harvests by age class and river system.

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna River-Total PU	0	6	24	152	3	0	343	60	0	0	127	0	0	2	0	717
PU (Tyonek,General,Kustatan)	0	1	6	37	1	0	82	14	0	0	30	0	0	0	0	172
Yentna PU	0	5	18	116	2	0	261	46	0	0	96	0	0	1	0	545
eastside sport	0	57	228	1,441	28	0	3,239	571	0	0	1,198	0	0	14	0	6,776
westside sport	0	46	184	1,162	23	0	2,614	460	0	0	967	0	0	11	0	5,468
Total Sport	0	103	413	2,603	51	0	5,853	1,031	0	0	2,165	0	0	26	0	12,244
Kenai River -Total	0	1,740	0	39,473	12,899	0	245,157	34,413	76	2,934	34,753	0	0	640	0	372,086
PU & Sub (includes Eastern)	0	504	0	16,509	2,289	0	105,096	12,695	0	1,266	13,961	0	0	259	0	152,579
mainstem sport below sonar	0	169	0	5,546	769	0	35,307	4,265	0	425	4,690	0	0	87	0	51,259
mainstem sport above sonar	0	493	0	16,176	2,243	0	102,978	12,439	0	1,241	13,680	0	0	254	0	149,503
Russian River	0	573	0	1,221	7,596	0	1,642	4,999	76	0	2,404	0	0	39	0	18,550
other - Hidden, Skilak, etc.	0	1	0	21	3	0	134	16	0	2	18	0	0	0	0	195
Total Sport-above sonar	0	1,067	0	17,418	9,842	0	104,754	17,454	76	1,242	16,101	0	0	293	0	168,248
Kasilof River -Total	0	243	0	20,348	125	0	33,777	11,467	0	125	3,331	125	0	0	0	69,542
PU & Sub	0	192	0	16,038	99	0	26,623	9,039	0	99	2,626	99	0	0	0	54,813
mainstem sport below sonar	0	16	0	1,318	8	0	2,188	743	0	8	216	8	0	0	0	4,504
mainstem sport above sonar	0	5	0	439	3	0	729	248	0	3	72	3	0	0	0	1,501
broodstock (egg take)	0	31	0	2,553	16	0	4,237	1,439	0	16	418	16	0	0	0	8,724
Crescent River - Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Western Subdistrict PU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sport above sonar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish Creek - Total	0	236	20	1,372	94	0	2,387	430	7	0	276	7	0	0	0	4,829
sport (above weir)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PU (includes Knik Arm PU)	0	21	2	124	9	0	216	39	1	0	25	1	0	0	0	436
sport (below weir)/Otoliths	0	0	0	3	0	0	5	1	0	0	1	0	0	0	0	10
broodstock	0	214	18	1,245	85	0	2,167	391	6	0	250	6	0	0	0	4,383
Other - Pu & Sub. + (Kalgan)	22	0	132	1,147	0	0	8,997	620	0	37	1,716	1	0	3	0	12,673
Other Systems - sport above																
Packers Creek - sport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cottonwood Creek-sport	0	10	0	189	2	0	14	66	0	0	33	0	0	0	0	314
Knik Arm - Other-sport	9	0	143	321	0	0	2,320	161	0	27	910	9	9	9	0	3,917
Anchorage Area-sport	1	0	34	141	6	0	286	50	0	3	99	0	0	2	0	623
West Cook Inlet-sport																
north	6	0	95	214	0	0	1,544	107	0	18	606	6	6	6	0	2,607
south	2	0	13	116	0	0	912	63	0	4	174	0	0	0	0	1,285
Other-Kenai Pen.-sport	3	0	21	180	0	0	1,408	97	0	6	269	0	0	0	0	1,984
Saltwater - sport below																
Other-saltwater-Anch.	0	0	2	9	0	0	18	3	0	0	6	0	0	0	0	40
Other-saltwater-KP/WCI	3	0	19	166	0	0	1,304	90	0	5	249	0	0	0	0	1,837
Other-saltwater-Knik Arm	0	0	3	7	0	0	52	4	0	1	20	0	0	0	0	87
Total Other System	47	10	462	2,490	8	0	16,856	1,260	0	100	4,082	17	15	21	0	25,367
PU & Sub	22	0	132	1,147	0	0	8,997	620	0	37	1,716	1	0	3	0	12,673
sport above	22	10	306	1,161	8	0	6,486	544	0	57	2,090	15	14	18	0	10,730
sport - saltwater below	3	0	24	182	0	0	1,374	97	0	6	275	0	0	1	0	1,964
cost recovery - egg take	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Summary Worksheet for adjusted percent of age classes for all systems

Sum of escapement+subsistence+personal use+sport below sonar = weighted escapement past commercial fishery

to estimate adjusted proportion by age class

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	0	1.3(52)	2.2(53)	3.1(54)	0	1.4(62)	0	2.3(63)	3.2(64)	0	2.4(73)	0	3.3(74)	3.4(84)	0	Total
Susitna	0	1,374	5,513	34,782	687	0	78,203	13,775	0	0	28,925	0	0	28,925	0	0	344	0	0	163,604		
Sunshine																						
Yentna																						
Other																						
Kenai	0	2,818	0	92,389	12,808	0	588,148	71,042	0	7,087	78,129	0	0	0	1,452	0	0	853,874				
Kasilof	0	1,284	0	107,351	660	0	178,197	60,500	0	660	17,574	660	0	0	0	0	0	0	0	366,887		
Crescent	0	0	0	12,282	414	0	16,374	17,748	0	679	30,303	0	141	141	0	0	0	0	0	78,081		
Fish Creek	0	2,143	184	12,478	856	0	21,715	3,913	61	0	2,508	61	0	0	0	0	0	0	0	43,922		
Other	351	0	2,240	18,519	0	0	145,003	9,991	0	610	28,148	29	9	50	0	0	0	0	0	204,950		
Total	351	7,620	7,938	277,802	15,426	0	1,027,640	176,970	61	9,037	185,587	751	150	1985	0	0	1,711,318					

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Adjusted percent of age classes for all systems included.

Adjusted percent of age classes for Susitna, Kenai, Kaslof, Fish Creek, and Other.

Adjusted percent of age classes for Kenai and Kasilof.

River System	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)
Susitna															
Sunshine															
Yentna															
Other															
Kenai	0.000	68.695	0.000	46.255	95.097	0.000	76.747	54.007	0.000	91.476	81.637	0.000	0.000	100.000	0.000
Kasilof	0.000	31.305	0.000	53.745	4.903	0.000	23.253	45.993	0.000	8.524	18.363	100.000	0.000	0.000	0.000
Crescent															
Fish Creek															
Other															
	0.000	100.000	0.000	100.000	100.000	0.000	100.000	100.000	0.000	100.000	100.000	100.000	0.000	100.000	0.000

Adjusted percent of age classes for Susitna, Fish Creek, and Other.

Allocation of Commercial Harvest

Drift	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	6,113	10,033	0	0	46,458	3,580	0	0	21,344	0	0	32	0	87,559
Kenai	0	0	0	26,649	0	0	349,398	18,464	0	2,081	57,651	0	0	133	0	454,376
Kasilof	0	0	0	30,964	0	0	105,861	15,724	0	194	12,968	74	0	0	0	165,785
Fish Creek	0	0	205	3,599	0	0	12,900	1,017	0	0	1,851	7	0	0	0	19,579
Other	1,439	0	2,484	5,341	0	0	86,141	2,597	0	179	20,770	3	0	5	0	118,959
Total	1,439	0	8,801	76,586	0	0	600,758	41,382	0	2,454	114,583	85	0	169	0	846,257
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salamatof	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Kenai	0	23	0	5,685	172	0	63,153	1,678	0	868	11,316	0	0	0	0	82,896
Kasilof	0	11	0	6,606	9	0	19,134	1,429	0	81	2,545	0	0	0	0	29,815
Total	0	34	0	12,291	181	0	82,287	3,107	0	949	13,861	0	0	0	0	112,710
remainder	34	0	226	0	0	0	0	0	0	0	0	0	0	0	0	260
Kalifornsky	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Kenai	0	0	0	17,550	88	0	159,863	12,245	0	2,012	29,610	0	0	217	0	221,585
Kasilof	0	0	0	20,392	5	0	48,435	10,428	0	187	6,660	124	0	0	0	86,232
Total	0	0	0	37,943	93	0	208,298	22,673	0	2,199	36,270	124	0	217	0	307,817
remainder	0	0	1,270	0	0	0	0	0	0	0	0	650	0	0	0	1,920
Cohoe/Ninilchik	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Kenai	0	123	0	53,112	298	0	180,438	29,859	0	900	32,245	0	0	134	0	297,109
Kasilof	0	56	0	61,713	15	0	54,669	25,428	0	84	7,253	134	0	0	0	149,353
Total	0	179	0	114,825	313	0	235,107	55,288	0	984	39,498	134	0	134	0	446,462
remainder	0	0	671	0	0	0	0	0	0	0	0	0	179	0	0	850
Western	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Crescent	0	0	0	8,170	0	0	2,587	1,354	0	0	11,639	0	0	293	0	24,043
Total	0	0	0	8,170	0	0	2,587	1,354	0	0	11,639	0	0	293	0	24,043
Kustatan	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	186	319	0	0	1,391	150	0	0	829	0	0	15	0	2,891
Fish Creek	0	0	6	114	0	0	386	43	0	0	72	11	0	0	0	632
Other	17	0	76	170	0	0	2,579	109	0	50	807	5	16	2	0	3,831
Total	17	0	268	603	0	0	4,357	302	0	50	1,708	16	16	17	0	7,354
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Allocation of Commercial Harvest

Kalgin Island	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	205	336	0	0	1,554	120	0	0	714	0	0	1	0	2,929
Kenai	0	0	0	892	0	0	11,689	618	0	70	1,929	0	0	4	0	15,201
Kasilof	0	0	0	1,036	0	0	3,542	526	0	6	434	2	0	0	0	5,546
Fish Creek	0	0	7	120	0	0	432	34	0	0	62	0	0	0	0	655
Other	48	0	83	179	0	0	2,882	87	0	6	695	0	0	0	0	3,980
Total	48	0	294	2,562	0	0	20,099	1,384	0	82	3,833	3	0	6	0	28,312
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chinitna Bay	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kasilof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General - Knik Arm	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	649	1,109	0	0	4,839	522	0	0	2,885	0	0	51	0	10,056
Fish Creek	0	0	22	398	0	0	1,344	148	0	0	250	38	0	0	0	2,200
Other	59	0	264	591	0	0	8,973	379	0	174	2,808	18	56	7	0	13,328
Total	59	0	934	2,098	0	0	15,156	1,049	0	174	5,943	56	56	59	0	25,584
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eastern	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	4	949	3,018	101	0	3,709	1,008	0	0	1,959	0	0	71	0	10,819
Fish Creek	0	6	32	1,083	126	0	1,030	286	0	0	170	10	0	0	0	2,743
Other	53	0	386	1,607	0	0	6,877	731	0	126	1,906	5	0	10	0	11,702
Total	53	10	1,367	5,707	227	0	11,616	2,026	0	126	4,035	15	0	81	0	25,264
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Knik Arm	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total UCI																
Comm. Harvest	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	4	8,102	14,814	101	0	57,951	5,380	0	0	27,731	0	0	169	0	114,254
Kenai	0	146	0	103,888	558	0	764,542	62,864	0	5,931	132,751	0	0	489	0	1,071,167
Kasilof	0	67	0	120,712	29	0	231,641	53,535	0	553	29,860	335	0	0	0	436,730
Crescent	0	0	0	8,170	0	0	2,587	1,354	0	0	11,639	0	0	293	0	24,043
Fish Creek	0	6	271	5,315	126	0	16,092	1,529	0	0	2,404	67	0	0	0	25,809
Other	1,616	0	3,292	7,887	0	0	107,453	3,902	0	536	26,986	32	72	25	0	151,799
Total	1,616	223	11,665	260,785	814	0	1,180,265	128,564	0	7,019	231,371	433	72	976	0	1,823,803
remainders	34	0	2,167	0	0	0	0	0	0	0	0	0	829	0	0	3,030
																1,826,833

Allocation of Commercial Harvest

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Upper Cook Inlet commercial harvest, escapement and total return by age class.**Total Upper Cook Inlet commercial harvest by age class and river system.**

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	4	9,607	14,814	101	0	57,951	5,380	0	0	27,731	0	0	169	0	115,759
Kenai	0	146	0	103,888	558	0	764,542	62,864	0	5,931	132,751	0	0	489	0	1,071,167
Kasilof	0	67	0	120,712	29	0	231,641	53,535	0	553	29,860	335	0	0	0	436,730
Crescent	0	0	0	8,170	0	0	2,587	1,354	0	0	11,639	0	0	293	0	24,043
Fish Creek	0	6	321	5,315	126	0	16,092	1,529	0	0	2,404	67	0	0	0	25,860
Other	1,649	0	3,903	7,887	0	0	107,453	3,902	0	536	26,986	32	902	25	0	153,274
Total	1,649	223	13,831	260,785	814	0	1,180,265	128,564	0	7,019	231,371	433	902	976	0	1,826,833

Total Upper Cook Inlet escapement by age class.

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	1,368	5,489	34,630	684	0	77,860	13,715	0	0	28,798	0	0	342	0	162,887
Kenai	0	2,145	0	70,334	9,751	0	447,745	54,083	0	5,395	59,478	0	0	1,105	0	650,036
Kasilof	0	1,076	0	89,995	554	0	149,387	50,718	0	554	14,733	554	0	0	0	307,570
Crescent	0	0	0	12,282	414	0	16,374	17,748	0	679	30,303	0	141	141	0	78,081
Fish Creek	0	2,122	183	12,354	848	0	21,499	3,875	61	0	2,483	61	0	0	0	43,486
Other	317	0	1,938	16,861	0	0	132,261	9,111	0	540	25,226	19	0	37	0	186,309
Total	317	6,712	7,610	236,456	12,250	0	845,126	149,249	61	7,169	161,022	633	141	1,625	0	1,428,369

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Upper Cook Inlet total return including personal use, subsistence and sport caught fish below the sonar sites or weir by age class and river system.

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	1,374	15,102	49,481	786	0	135,894	19,110	0	0	56,560	0	0	512	0	278,818
Kenai	0	2,964	0	196,277	13,366	0	1,352,690	133,906	0	13,018	210,880	0	0	1,940	0	1,925,041
Kasilof	0	1,351	0	228,063	689	0	409,838	114,035	0	1,213	47,434	995	0	0	0	803,617
Crescent	0	0	0	20,452	414	0	18,961	19,101	0	679	41,942	0	141	434	0	102,124
Fish Creek	0	2,150	506	17,793	983	0	37,807	5,442	61	0	4,912	128	0	0	0	69,782
Other	1,991	0	5,997	26,078	0	0	250,084	13,729	0	1,119	54,203	52	902	65	0	354,220
Total	1,991	7,838	21,605	538,143	16,238	0	2,205,273	305,324	61	16,029	415,932	1,175	1,043	2,951	0	3,533,602

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, .

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna:																
comm. harvest	0	4	9,607	14,814	101	0	57,951	5,380	0	0	27,731	0	0	169	0	115,759
spawners	0	1,261	5,058	31,911	630	0	71,747	12,638	0	0	26,537	0	0	315	0	150,098
other	0	109	437	2,756	54	0	6,195	1,091	0	0	2,292	0	0	27	0	12,961
Total	0	1,374	15,102	49,481	786	0	135,894	19,110	0	0	56,560	0	0	512	0	278,818
Kenai:																
comm. harvest	0	146	0	103,888	558	0	764,542	62,864	0	5,931	132,751	0	0	489	0	1,071,167
spawners	0	1,078	0	52,916	(91)	0	342,991	36,629	(76)	4,153	43,377	0	0	812	0	481,788
other	0	1,740	0	39,473	12,899	0	245,157	34,413	76	2,934	34,753	0	0	640	0	372,086
Total	0	2,964	0	196,277	13,366	0	1,352,690	133,906	0	13,018	210,880	0	0	1,940	0	1,925,041
Kasilof :																
comm. harvest	0	67	0	120,712	29	0	231,641	53,535	0	553	29,860	335	0	0	0	436,730
spawners	0	1,041	0	87,003	535	0	144,420	49,032	0	535	14,243	535	0	0	0	297,345
other	0	243	0	20,348	125	0	33,777	11,467	0	125	3,331	125	0	0	0	69,542
Total	0	1,351	0	228,063	689	0	409,838	114,035	0	1,213	47,434	995	0	0	0	803,617
Crescent:																
comm. harvest	0	0	0	8,170	0	0	2,587	1,354	0	0	11,639	0	0	293	0	24,043
spawners	0	0	0	12,282	414	0	16,374	17,748	0	679	30,303	0	141	141	0	78,081
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	20,452	414	0	18,961	19,101	0	679	41,942	0	141	434	0	102,124
Fish Creek:																
comm. harvest	0	6	321	5,315	126	0	16,092	1,529	0	0	2,404	67	0	0	0	25,860
spawners	0	1,908	164	11,109	763	0	19,333	3,484	55	0	2,233	55	0	0	0	39,103
other	0	236	20	1,372	94	0	2,387	430	7	0	276	7	0	0	0	4,829
Total	0	2,150	506	17,796	983	0	37,812	5,443	62	0	4,913	128	0	0	0	69,792
Other:																
comm. harvest	1,649	0	3,903	7,887	0	0	107,453	3,902	0	536	26,986	32	902	25	0	153,274
spawners	295	(10)	1,632	15,700	(8)	0	125,775	8,567	0	483	23,136	4	(14)	20	0	175,579
other	47	10	462	2,490	8	0	16,856	1,260	0	100	4,082	17	15	21	0	25,367
Total	1,991	0	5,997	26,078	0	0	250,084	13,729	0	1,119	54,203	52	902	65	0	354,220
UCI Total:																
comm. harvest	1,649	223	13,831	260,785	814	0	1,180,265	128,564	0	7,019	231,371	433	902	976	0	1,826,833
spawners	295	5,278	6,854	210,921	2,243	0	720,640	128,098	(21)	5,851	139,829	594	126	1,287	0	1,221,994
other	47	2,338	919	66,439	13,181	0	304,373	48,662	83	3,159	44,732	149	15	688	0	484,785
Grand Total	1,991	7,838	21,605	538,146	16,238	0	2,205,278	305,324	62	16,029	415,933	1,175	1,043	2,951	0	3,533,612

Data Out

2001	1	1	0	4	9607	14814	101	0	57951	5380	0	0	27731	0	0	169	0	115759
2001	1	2	0	1261	5058	31911	630	0	71747	12638	0	0	26537	0	0	315	0	150098
2001	1	3	0	109	437	2756	54	0	6195	1091	0	0	2292	0	0	27	0	12961
2001	2	1	0	146	0	103888	558	0	764542	62864	0	5931	132751	0	0	489	0	1071167
2001	2	2	0	1078	0	52916	-91	0	342991	36629	-76	4153	43377	0	0	812	0	481788
2001	2	3	0	1740	0	39473	12899	0	245157	34413	76	2934	34753	0	0	640	0	372086
2001	3	1	0	67	0	120712	29	0	231641	53535	0	553	29860	335	0	0	0	436730
2001	3	2	0	1041	0	87003	535	0	144420	49032	0	535	14243	535	0	0	0	297345
2001	3	3	0	243	0	20348	125	0	33777	11467	0	125	3331	125	0	0	0	69542
2001	4	1	0	0	0	8170	0	0	2587	1354	0	0	11639	0	0	293	0	24043
2001	4	2	0	0	0	12282	414	0	16374	17748	0	679	30303	0	141	141	0	78081
2001	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	8	1	0	6	321	5315	126	0	16092	1529	0	0	2404	67	0	0	0	25860
2001	8	2	0	1908	164	11109	763	0	19333	3484	55	0	2233	55	0	0	0	39103
2001	8	3	0	236	20	1372	94	0	2387	430	7	0	276	7	0	0	0	4829
2001	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	10	1	1649	0	3903	7887	0	0	107453	3902	0	536	26986	32	902	25	0	153274
2001	10	2	295	-10	1632	15700	-8	0	125775	8567	0	483	23136	4	-14	20	0	175579
2001	10	3	47	10	462	2490	8	0	16856	1260	0	100	4082	17	15	21	0	25367

Hidden Lake enhancement total return worksheet.

Return Year	Spawners Hidden	Hatchery Proportion	Hidden Enhanced	Exploitation Rate			Age Composition (#) (E)			Total Return			Sport Harvest & PU [O] & Commercial Catch (C)		
				Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2
2001	41,428	0.58	24,028	0.713	0.735	0.676	15,138	4,806	4,085	52,731	18,122	12,624	37,593	13,317	8,540
Hidden age comp.							0.63	0.2					25.8%	23.1%	30.6%
*Cost Recovery #/otoliths			Egg Take #										9,683	3,074	2,613 [O]
688			1034										27,910	10,243	5,927 [C]
Hidden harvests															
Other"	1,722	0.58	999				629	200		170 Enhanced (add to Hidden Enhanced 'other')					

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN

(Russian River and Upper Kenai River sport harvest not used.)

Kenai:	1.2(42) 1.3(52) 2.2(53)
Exploitation Rate	0.713 0.735 0.676
Commercial Harvest	103,888 764,542 62,864
PU & Sub (includes Eastern)	16,509 105,096 12,695
mainstem sport below sonar	5,546 35,307 4,265
mainstem sport above sonar minus Kenai to Skilak harvests	13,966 88,909 10,739
other sport (Hidden, Skilak, Moose)	21 134 16
Total PU & Sport Harvests	36,043 229,447 27,715
Percent other harvest	25.8% 23.1% 30.6%
Russian River harvest	1,221 1,642 4,999
spawners - Cook Inlet to Skilak Lake	56,347 358,702 43,327
Total return from Cook Inlet to Skilak	196,277 1,352,690 133,906

calculations for Kenai to Skilak Harvest

age composition - Kenai	0.1082	0.6888	0.0832
Kenai to Skilak Harvest	20,425	2,210	14,069 1,699

estimate based on average of last five years

Data Out with Hidden Creek Enhanced added and Kenai River and "Other" sport harvest age classes removed.

2001	1	1	0	4	9607	14814	101	0	57951	5380	0	0	27731	0	0	169	0	115759
2001	1	2	0	1261	5058	31911	630	0	71747	12638	0	0	26537	0	0	315	0	150098
2001	1	3	0	109	437	2756	54	0	6195	1091	0	0	2292	0	0	27	0	12961
2001	2	1	0	146	0	75978	558	0	754299	56937	0	5931	132751	0	0	489	0	1027088
2001	2	2	0	1078	0	37778	0	0	338185	32544	0	4153	43377	0	0	812	0	457927
2001	2	3	0	1740	0	29161	12808	0	241884	31631	0	2934	34753	0	0	640	0	355550
2001	3	1	0	67	0	120712	29	0	231641	53535	0	553	29860	335	0	0	0	436730
2001	3	2	0	1041	0	87003	535	0	144420	49032	0	535	14243	535	0	0	0	297345
2001	3	3	0	243	0	20348	125	0	33777	11467	0	125	3331	125	0	0	0	69542
2001	4	1	0	0	0	8170	0	0	2587	1354	0	0	11639	0	0	293	0	24043
2001	4	2	0	0	0	12282	414	0	16374	17748	0	679	30303	0	141	141	0	78081
2001	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	6	1	0	0	0	27910	0	0	10243	5927	0	0	0	0	0	0	0	44079
2001	6	2	0	0	0	15138	0	0	4806	4085	0	0	0	0	0	0	0	24028
2001	6	3	0	0	0	10312	0	0	3274	2783	0	0	0	0	0	0	0	16369
2001	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	8	1	0	6	321	5315	126	0	16092	1529	0	0	2404	67	0	0	0	25860
2001	8	2	0	1908	164	11109	763	0	19333	3484	55	0	2233	55	0	0	0	39103
2001	8	3	0	236	20	1372	94	0	2387	430	7	0	276	7	0	0	0	4829
2001	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	10	1	1649	0	3903	7887	0	0	107453	3902	0	536	26986	32	902	25	0	153274
2001	10	2	295	0	1632	15700	0	0	125775	8567	0	483	23136	4	0	20	0	175611
2001	10	3	47	0	462	2490	0	0	16856	1260	0	100	4082	17	1	21	0	25335

Appendix A. Escapement and harvest estimates and age composition data used to estimate total return by river system.

Upper Cook Inlet Total Return Worksheet

2002

Escapement	Commercial Harvest	Subsistence/PU Harvest	Sport Harvest
Susitna 153,252	Drift 3/ 1,367,251	Tyonek 209	Susitna River 5,241
Sunshine 1/ 74,661	Salamatof 427,397	General 0	eastsideside 3,427
Yentna 78,591	Kalifornsky 359,157	Kasiloc dip net 46,769	westside 1,814
Kenai 957,924	Cohoe/Ninilchik 516,604	Kasiloc gill net 17,980	Kenai River 259,883
Kasiloc 226,682	Western 34,868	Western 0	mainstem below sonar 46,589
Crescent 62,833	Kustatan 4/ 6,603	Kenai dip net 180,028	mainstem above sonar 179,328
Fish Creek 90,482	Kalgin Island 5/ 28,138	Kenai gillnet 0	Russian River 31,999
Other 2/ 223,676	Chinitna Bay 6/ 0	Kenaitze 2,201	other Hidden 1,967
	General- Knik Arm 22,532	Kalgin 0	Kasiloc River 4,424
	Eastern 10,568	Fish dip net 0	mainstem below sonar 3,318
	Knik Arm 0	Fish gill net 0	mainstem above sonar 1,106
		Kustatan 0	Crescent River 0
		Eastern 0	Fish Creek 147
		Knik 0	Packers Creek 0
		Other combined UCI 14,846	Cottonwood Creek 319
		Upper Yentna 454	Knik Arm 4,051
			Anchorage Area 253
Total 1,714,849	Total 2,773,118	Total 262,487	West Cook Inlet north 1,472
			south 978
			Other Kenai Peninsula 2,942
			Other Saltwater Anchorage 77
			Kenai Pen./West Cook Inlet 1,764
			Knik Arm 102
			above sonar/weir 229,656
			below sonar/weir 51,997

Footnotes and sources of information:

Escapement:

1/ Sunshine estimate derived by using mean ratio of Sunshine on Yentna escapement 1981-85.

$$Y = 0.95 * X$$

where Y = Sunshine and

X = Yentna.

2/ Other represents 15% of total monitored escapement - drift age composition used.
assume an added 15% for unmonitored escapements for weighting escapement age composition.

Commercial Harvest	2,773,000
Spawners	1,471,000
Other Harvests	558,000
Total Return	4,802,000

Commercial Harvest:

3/ Drift represents all substatistical harvest areas with Drift gillnet except Chinitna Bay.

4/ Kustatan - age composition of General Subdistrict westside used.

5/ Kalgin Island - age composition of drift used.

6/ Chinitna - age composition of drift used.

Subsistence and Personal Use harvests:

Age composition of nearest river used.

Sport Harvest estimates:

Statewide Harvest Database 2003

References:

Escapement, Commercial Harvest & Egg Takes:

Tobias and Willette, 2003

Westerman and Willette, 2003

Dodson, 2002

Fandrei, 2002

Subsistence and Personal Use harvests:

Fox and Shields, 2003

Brown et al 2003

Summary worksheet for entering escapement age composition (proportions).

Summary worksheet for entering commercial harvest age composition (proportions).

Summary worksheet calculating total escapement by age class

River System	Escapement	Total															
		0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	153,252	2,667	996	3,004	44,075	0	0	78,128	8,352	0	0	15,693	0	0	337	0	153,252
Sunshine	74,661	1,299	485	1,463	21,473	0	0	38,062	4,069	0	0	7,645	0	0	164	0	74,661
Yentna	78,591	1,367	511	1,540	22,603	0	0	40,066	4,283	0	0	8,048	0	0	173	0	78,591
Kenai	957,924	766	0	383	220,514	7,089	0	559,332	101,636	766	6,705	58,433	766	1,150	383	0	957,924
Kasilof	226,682	0	612	0	76,868	3,332	0	86,321	43,750	0	612	14,893	0	295	0	0	226,682
Crescent	62,833	0	0	0	11,982	82	0	21,194	7,037	0	170	22,287	0	82	0	0	62,833
Fish Creek	90,482	0	3,004	0	67,581	1,891	0	3,013	14,369	154	0	471	0	0	0	0	90,482
Other	223,676	134	0	1,610	32,142	0	0	152,905	13,600	0	1,342	21,719	134	89	0	0	223,676
Total	1,714,849	3,567	4,612	4,997	453,163	12,394	0	900,892	188,743	920	8,829	133,496	901	1,615	720	0	1,714,849

Summary worksheet calculating total commercial harvest by age composition.

Fishery	Harvest	Commercial															
		0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Drift	1,367,251	820	0	9,844	196,474	0	0	934,653	83,129	0	8,204	132,760	820	547	0	0	1,367,251
Salamatof	427,397	214	43	1,410	67,016	256	0	288,878	30,260	0	4,616	34,363	342	0	0	0	427,397
Kalifornsky	359,157	0	108	180	102,503	323	0	178,788	50,713	0	898	25,644	0	0	0	0	359,157
Cohoe/Ninilchik	516,604	258	568	155	146,871	1,033	0	249,365	75,373	0	3,048	39,675	258	0	0	0	516,604
Western	34,868	0	0	0	6,649	45	0	11,761	3,905	0	94	12,368	0	45	0	0	34,868
Kustatan	6,603	0	0	14	998	0	0	4,215	1,095	0	0	253	28	0	0	0	6,603
Kalgin Island	28,138	17	0	203	4,043	0	0	19,235	1,711	0	169	2,732	17	11	0	0	28,138
Chinitna Bay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	22,532	201	0	1,007	6,437	0	0	10,662	1,208	0	0	3,017	0	0	0	0	22,532
Eastern	10,568	27	14	82	3,387	14	0	3,750	2,263	0	41	949	27	0	14	0	10,568
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2,773,118	1,537	732	12,895	534,379	1,672	0	1,701,306	249,656	0	17,069	251,761	1,493	603	14	0	2,773,118

Summary Worksheet for entering age compositon for Pu, subsistence, sport harvest, broodstock and cost recovery components.

		0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total	
Susitna River																		
PU Yentna		454	0.0174	0.0065	0.0196	0.2876	0.0000	0.0000	0.5098	0.0545	0.0000	0.0000	0.1024	0.0000	0.0000	0.0022	0.0000	1.0000
PU (Tyonek, General, Kustatan)		209	0.0174	0.0065	0.0196	0.2876	0.0000	0.0000	0.5098	0.0545	0.0000	0.0000	0.1024	0.0000	0.0000	0.0022	0.0000	1.0000
eastside sport		3,427	0.0174	0.0065	0.0196	0.2876	0.0000	0.0000	0.5098	0.0545	0.0000	0.0000	0.1024	0.0000	0.0000	0.0022	0.0000	1.0000
westside sport		1,814	0.0174	0.0065	0.0196	0.2876	0.0000	0.0000	0.5098	0.0545	0.0000	0.0000	0.1024	0.0000	0.0000	0.0022	0.0000	1.0000
Kenai River																		
PU & Sub (includes Eastern)		182,229	0.0008	0.0000	0.0004	0.2302	0.0074	0.0000	0.5839	0.1061	0.0008	0.0070	0.0610	0.0008	0.0012	0.0004	0.0000	1.0000
mainstem below sonar		46,589	0.0008	0.0000	0.0004	0.2302	0.0074	0.0000	0.5839	0.1061	0.0008	0.0070	0.0610	0.0008	0.0012	0.0004	0.0000	1.0000
mainstem above sonar		179,328	0.0008	0.0000	0.0004	0.2302	0.0074	0.0000	0.5839	0.1061	0.0008	0.0070	0.0610	0.0008	0.0012	0.0004	0.0000	1.0000
Russian River		31,999	0.0000	0.0020	0.0000	0.1064	0.0723	0.0000	0.0602	0.6507	0.0020	0.0000	0.1064	0.0000	0.0000	0.0000	0.0000	1.0000
other - Hidden, Skilak, etc.		1,967	0.0008	0.0000	0.0004	0.2302	0.0074	0.0000	0.5839	0.1061	0.0008	0.0070	0.0610	0.0008	0.0012	0.0004	0.0000	1.0000
Kasilof River																		
PU & Subsistence		64,749	0.0000	0.0027	0.0000	0.3391	0.0147	0.0000	0.3808	0.1930	0.0000	0.0027	0.0657	0.0000	0.0013	0.0000	0.0000	1.0000
mainstem below sonar		3,318	0.0000	0.0027	0.0000	0.3391	0.0147	0.0000	0.3808	0.1930	0.0000	0.0027	0.0657	0.0000	0.0013	0.0000	0.0000	1.0000
mainstem above sonar		1,106	0.0000	0.0027	0.0000	0.3391	0.0147	0.0000	0.3808	0.1930	0.0000	0.0027	0.0657	0.0000	0.0013	0.0000	0.0000	1.0000
broodstock		0.0000	0.0027	0.0000	0.3391	0.0147	0.0000	0.3808	0.1930	0.0000	0.0027	0.0657	0.0000	0.0013	0.0000	0.0000	1.0000	
#	9,442	0	25	0	3,202	139	0	3,596	1,822	0	25	620	0	12	0	0	9,442	
122 Crescent																		
Western Subdistrict PU		0	0.0000	0.0000	0.0000	0.1907	0.0013	0.0000	0.3373	0.1120	0.0000	0.0027	0.3547	0.0000	0.0013	0.0000	0.0000	1.0000
Sport above sonar		0	0.0000	0.0000	0.0000	0.1907	0.0013	0.0000	0.3373	0.1120	0.0000	0.0027	0.3547	0.0000	0.0013	0.0000	0.0000	1.0000
Fish Creek																		
sport (above weir)		0	0.0000	0.0332	0.0000	0.7469	0.0209	0.0000	0.0333	0.1588	0.0017	0.0000	0.0052	0.0000	0.0000	0.0000	0.0000	1.0000
PU (includes Knik Arm PU)		0	0.0000	0.0332	0.0000	0.7469	0.0209	0.0000	0.0333	0.1588	0.0017	0.0000	0.0052	0.0000	0.0000	0.0000	0.0000	1.0000
Sport (below weir)/Otoliths	182	329	0.0000	0.0332	0.0000	0.7469	0.0209	0.0000	0.0333	0.1588	0.0017	0.0000	0.0052	0.0000	0.0000	0.0000	0.0000	1.0000
Broodstock		4,155	0.0000	0.0332	0.0000	0.7469	0.0209	0.0000	0.0333	0.1588	0.0017	0.0000	0.0052	0.0000	0.0000	0.0000	0.0000	1.0000
Other - Pu & Sub. + (Kalgan)		14,846	0.0006	0.0000	0.0072	0.1437	0.0000	0.0000	0.6836	0.0608	0.0000	0.0060	0.0971	0.0006	0.0004	0.0000	0.0000	1.0000
Other Systems - sport above																		
Packers Creek																		
broodstock	#	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
cost recovery	#	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
sport	#	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cottonwood Creek		319	0.0000	0.0092	0.0000	0.7507	0.0121	0.0000	0.1551	0.0607	0.0000	0.0000	0.0122	0.0000	0.0000	0.0000	0.0000	1.0000
Knik Arm - Other		4,051	0.0089	0.0000	0.0447	0.2857	0.0000	0.0000	0.4732	0.0536	0.0000	0.0000	0.1339	0.0000	0.0000	0.0000	0.0000	1.0000
West Cook Inlet (North)		1,472	0.0089	0.0000	0.0447	0.2857	0.0000	0.0000	0.4732	0.0536	0.0000	0.0000	0.1339	0.0000	0.0000	0.0000	0.0000	1.0000
West Cook Inlet (Sorth)		978	0.0006	0.0000	0.0072	0.1437	0.0000	0.0000	0.6836	0.0608	0.0000	0.0060	0.0971	0.0006	0.0004	0.0000	0.0000	1.0000
Anchorage Area		253	0.0026	0.0013	0.0078	0.3205	0.0013	0.0000	0.3548	0.2141	0.0000	0.0039	0.0898	0.0026	0.0000	0.0013	0.0000	1.0000
Other Kenai Peninsula		2,942	0.0006	0.0000	0.0072	0.1437	0.0000	0.0000	0.6836	0.0608	0.0000	0.0060	0.0971	0.0006	0.0004	0.0000	0.0000	1.0000
Saltwater - sport below																		
Other-saltwater-Anch.		77	0.0026	0.0013	0.0078	0.3205	0.0013	0.0000	0.3548	0.2141	0.0000	0.0039	0.0898	0.0026	0.0000	0.0013	0.0000	1.0000
Other-saltwater-KP/WCI		1,764	0.0006	0.0000	0.0072	0.1437	0.0000	0.0000	0.6836	0.0608	0.0000	0.0060	0.0971	0.0006	0.0004	0.0000	0.0000	1.0000
Other-saltwater-Knik Arm		102	0.0089	0.0000	0.0447	0.2857	0.0000	0.0000	0.4732	0.0536	0.0000	0.0000	0.1339	0.0000	0.0000	0.0000	0.0000	1.0000

Total Upper Cook Inlet personal use, subsistence, sport, cost recovery and broodstock harvests by age class and river system.

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna River-Total PU	12	4	13	191	0	0	338	36	0	0	68	0	0	1	0	663
PU (Tyonek,General,Kustatan)	4	1	4	60	0	0	107	11	0	0	21	0	0	0	0	209
Yentna PU	8	3	9	131	0	0	231	25	0	0	46	0	0	1	0	454
eastside sport	60	22	67	986	0	0	1,747	187	0	0	351	0	0	8	0	3,427
westside sport	32	12	36	522	0	0	925	99	0	0	186	0	0	4	0	1,814
Total Sport	91	34	103	1,507	0	0	2,672	286	0	0	537	0	0	12	0	5,241
Kenai River -Total	328	64	164	97,813	5,348	0	241,391	64,335	392	2,871	28,422	328	492	164	0	442,112
PU & Sub (includes Eastern)	146	0	73	41,949	1,348	0	106,404	19,334	146	1,276	11,116	146	219	73	0	182,229
mainstem sport below sonar	37	0	19	10,725	345	0	27,203	4,943	37	326	2,842	37	56	19	0	46,589
mainstem sport above sonar	143	0	72	41,281	1,327	0	104,710	19,027	143	1,255	10,939	143	215	72	0	179,328
Russian River	0	64	0	3,405	2,314	0	1,926	20,822	64	0	3,405	0	0	0	0	31,999
other - Hidden, Skilak, etc.	2	0	1	453	15	0	1,149	209	2	14	120	2	2	1	0	1,967
Total Sport-above sonar	145	64	73	45,139	3,655	0	107,784	40,057	209	1,269	14,464	145	218	73	0	213,294
Kasilof River -Total	0	212	0	26,658	1,156	0	29,937	15,173	0	212	5,165	0	102	0	0	78,615
PU & Sub	0	175	0	21,956	952	0	24,656	12,497	0	175	4,254	0	84	0	0	64,749
mainstem sport below sonar	0	9	0	1,125	49	0	1,263	640	0	9	218	0	4	0	0	3,318
mainstem sport above sonar	0	3	0	375	16	0	421	213	0	3	73	0	1	0	0	1,106
broodstock (egg take)	0	25	0	3,202	139	0	3,596	1,822	0	25	620	0	12	0	0	9,442
Crescent River - Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Western Subdistrict PU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sport above sonar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish Creek - Total	0	149	0	3,349	94	0	149	712	8	0	23	0	0	0	0	4,484
sport (above weir)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PU (includes Knik Arm PU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sport (below weir)/Otoliths	0	11	0	246	7	0	11	52	1	0	2	0	0	0	0	329
broodstock	0	138	0	3,103	87	0	138	660	7	0	22	0	0	0	0	4,155
Other - Pu & Sub. + (Kalgan)	9	0	107	2,133	0	0	10,149	903	0	89	1,442	9	6	0	0	14,846
Other Systems - sport above																
Packers Creek - sport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cottonwood Creek-sport	0	3	0	239	4	0	49	19	0	0	4	0	0	0	0	319
Knik Arm - Other-sport	36	0	181	1,157	0	0	1,917	217	0	0	542	0	0	0	0	4,051
Anchorage Area-sport	1	0	2	81	0	0	90	54	0	1	23	1	0	0	0	253
West Cook Inlet-sport																
north	13	0	66	421	0	0	697	79	0	0	197	0	0	0	0	1,472
south	1	0	7	141	0	0	669	59	0	6	95	1	0	0	0	978
Other-Kenai Pen.-sport	2	0	21	423	0	0	2,011	179	0	18	286	2	1	0	0	2,942
Saltwater - sport below																
Other-saltwater-Anch.	0	0	1	25	0	0	27	16	0	0	7	0	0	0	0	77
Other-saltwater-KP/WCI	1	0	13	253	0	0	1,206	107	0	11	171	1	1	0	0	1,764
Other-saltwater-Knik Arm	1	0	5	29	0	0	48	5	0	0	14	0	0	0	0	102
Total Other System	63	3	402	4,902	4	0	16,863	1,640	0	124	2,780	13	8	0	0	26,804
PU & Sub	9	0	107	2,133	0	0	10,149	903	0	89	1,442	9	6	0	0	14,846
sport above	52	3	277	2,462	4	0	5,432	608	0	25	1,147	3	2	0	0	10,015
sport - saltwater below	2	0	18	307	0	0	1,281	129	0	11	192	1	1	0	0	1,943
cost recovery - egg take	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Summary Worksheet for adjusted percent of age classes for all systems

Sum of escapement+subsistence+personal use+sport below sonar = weighted escapement past commercial fishery

to estimate adjusted proportion by age class

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	0	1.3(52)	2.2(53)	3.1(54)	0	1.4(62)	0	2.3(63)	3.2(64)	0	2.4(73)	0	3.3(74)	3.4(84)	0	Total
Susitna	2,678	1,000	3,017	44,266	0	0	78,466	8,388	0	15,761	0	153,915										
Sunshine																						
Yentna																						
Other																						
Kenai	949	0	475	273,188	8,782	0	692,939	125,913	949	8,307	72,391	949	1,424	475	0	1,186,742						
Kasilof	0	796	0	99,949	4,333	0	112,240	56,887	0	796	19,365	0	383	0	0	294,749						
Crescent	0	0	0	11,982	82	0	21,194	7,037	0	170	22,287	0	82	0	0	62,833						
Fish Creek	0	3,015	0	67,827	1,898	0	3,024	14,421	154	0	472	0	0	0	0	90,811						
Other	182	0	1,921	35,769	0	0	166,300	14,854	0	1,442	23,908	144	96	0	0	244,618						
Total	3,810	4,811	5,412	532,982	15,094	0	1,074,163	227,500	1,104	10,715	154,185	1,094	1,985	813	0	2,033,668						

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Adjusted percent of age classes for all systems included.

Adjusted percent of age classes for Susitna, Kenai, Kaslof, Fish Creek, and Other.

Adjusted percent of age classes for Kenai and Kaslof.

Adjusted percent of age classes for Susitna, Fish Creek, and Other.

Allocation of Commercial Harvest

Drift	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	577	0	5,487	16,693	0	0	69,649	3,163	0	0	15,864	0	0	0	0	111,433
Kenai	204	0	863	103,022	0	0	615,077	47,477	0	6,463	72,864	712	409	0	0	847,092
Kasilof	0	0	0	37,692	0	0	99,629	21,450	0	619	19,492	0	110	0	0	178,991
Fish Creek	0	0	0	25,578	0	0	2,684	5,438	0	0	475	0	0	0	0	34,175
Other	39	0	3,494	13,489	0	0	147,614	5,601	0	1,122	24,065	108	28	0	0	195,559
Total	820	0	9,844	196,474	0	0	934,653	83,129	0	8,204	132,760	820	547	0	0	1,367,251
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salamatof	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Kenai	214	0	1,410	49,065	172	0	248,609	20,843	0	4,212	27,111	342	0	0	0	351,977
Kasilof	0	43	0	17,951	85	0	40,269	9,417	0	404	7,252	0	0	0	0	75,420
Total	214	43	1,410	67,016	256	0	288,878	30,260	0	4,616	34,363	342	0	0	0	427,397
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kalifornsky	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Kenai	0	0	180	75,047	216	0	153,866	34,931	0	819	20,232	0	0	0	0	285,291
Kasilof	0	108	0	27,457	107	0	24,923	15,782	0	78	5,412	0	0	0	0	73,866
Total	0	108	180	102,503	323	0	178,788	50,713	0	898	25,644	0	0	0	0	359,157
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cohoe/Ninilchik	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Kenai	258	0	155	107,529	692	0	214,604	51,917	0	2,781	31,302	258	0	0	0	409,497
Kasilof	0	568	0	39,341	341	0	34,761	23,456	0	266	8,373	0	0	0	0	107,107
Total	258	568	155	146,871	1,033	0	249,365	75,373	0	3,048	39,675	258	0	0	0	516,604
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Western	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Crescent	0	0	0	6,649	45	0	11,761	3,905	0	94	12,368	0	45	0	0	34,868
Total	0	0	0	6,649	45	0	11,761	3,905	0	94	12,368	0	45	0	0	34,868
Kustatan	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	8	299	0	0	1,335	244	0	0	99	0	0	0	0	1,985
Fish Creek	0	0	0	458	0	0	51	419	0	0	3	0	0	0	0	932
Other	0	0	5	241	0	0	2,829	432	0	0	151	28	0	0	0	3,686
Total	0	0	14	998	0	0	4,215	1,095	0	0	253	28	0	0	0	6,603
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Allocation of Commercial Harvest

Kalgin Island	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	12	0	113	344	0	0	1,433	65	0	0	326	0	0	0	0	2,293
Kenai	4	0	18	2,120	0	0	12,658	977	0	133	1,500	15	8	0	0	17,433
Kasilof	0	0	0	776	0	0	2,050	441	0	13	401	0	2	0	0	3,684
Fish Creek	0	0	0	526	0	0	55	112	0	0	10	0	0	0	0	703
Other	1	0	72	278	0	0	3,038	115	0	23	495	2	1	0	0	4,025
Total	17	0	203	4,043	0	0	19,235	1,711	0	169	2,732	17	11	0	0	28,138
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chinitna Bay	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kasilof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General - Knik Arm	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	188	0	615	1,927	0	0	3,376	269	0	0	1,185	0	0	0	0	7,560
Fish Creek	0	0	0	2,953	0	0	130	462	0	0	35	0	0	0	0	3,581
Other	13	0	392	1,557	0	0	7,156	476	0	0	1,797	0	0	0	0	11,391
Total	201	0	1,007	6,437	0	0	10,662	1,208	0	0	3,017	0	0	0	0	22,532
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eastern	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	26	3	50	1,014	0	0	1,187	504	0	0	373	0	0	14	0	3,171
Fish Creek	0	10	0	1,554	14	0	46	866	0	0	11	0	0	0	0	2,501
Other	2	0	32	819	0	0	2,516	892	0	41	565	27	0	0	0	4,896
Total	27	14	82	3,387	14	0	3,750	2,263	0	41	949	27	0	14	0	10,568
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Knik Arm	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total UCI																
Comm. Harvest	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	802	3	6,274	20,277	0	0	76,981	4,245	0	0	17,847	0	0	14	0	126,443
Kenai	681	0	2,626	336,783	1,080	0	1,244,813	156,146	0	14,409	153,008	1,327	418	0	0	1,911,290
Kasilof	0	719	0	123,216	533	0	201,632	70,545	0	1,380	40,930	0	112	0	0	439,068
Crescent	0	0	0	6,649	45	0	11,761	3,905	0	94	12,368	0	45	0	0	34,868
Fish Creek	0	10	0	31,069	14	0	2,967	7,298	0	0	535	0	0	0	0	41,892
Other	55	0	3,995	16,385	0	0	163,153	7,517	0	1,186	27,073	166	28	0	0	219,557
Total	1,537	732	12,895	534,379	1,672	0	1,701,306	249,656	0	17,069	251,761	1,493	603	14	0	2,773,118
remainders	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Allocation of Commercial Harvest

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Upper Cook Inlet commercial harvest, escapement and total return by age class.**Total Upper Cook Inlet commercial harvest by age class and river system.**

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	802	3	6,274	20,277	0	0	76,981	4,245	0	0	17,847	0	0	14	0	126,443
Kenai	681	0	2,626	336,783	1,080	0	1,244,813	156,146	0	14,409	153,008	1,327	418	0	0	1,911,290
Kasilof	0	719	0	123,216	533	0	201,632	70,545	0	1,380	40,930	0	112	0	0	439,068
Crescent	0	0	0	6,649	45	0	11,761	3,905	0	94	12,368	0	45	0	0	34,868
Fish Creek	0	10	0	31,069	14	0	2,967	7,298	0	0	535	0	0	0	0	41,892
Other	55	0	3,995	16,385	0	0	163,153	7,517	0	1,186	27,073	166	28	0	0	219,557
Total	1,537	732	12,895	534,379	1,672	0	1,701,306	249,656	0	17,069	251,761	1,493	603	14	0	2,773,118

Total Upper Cook Inlet escapement by age class.

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	2,667	996	3,004	44,075	0	0	78,128	8,352	0	0	15,693	0	0	337	0	153,252
Kenai	766	0	383	220,514	7,089	0	559,332	101,636	766	6,705	58,433	766	1,150	383	0	957,924
Kasilof	0	612	0	76,868	3,332	0	86,321	43,750	0	612	14,893	0	295	0	0	226,682
Crescent	0	0	0	11,982	82	0	21,194	7,037	0	170	22,287	0	82	0	0	62,833
Fish Creek	0	3,004	0	67,581	1,891	0	3,013	14,369	154	0	471	0	0	0	0	90,482
Other	134	0	1,610	32,142	0	0	152,905	13,600	0	1,342	21,719	134	89	0	0	223,676
Total	3,567	4,612	4,997	453,163	12,394	0	900,892	188,743	920	8,829	133,496	901	1,615	720	0	1,714,849

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Upper Cook Inlet total return including personal use, subsistence and sport caught fish below the sonar sites or weir by age class and river system.

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	3,472	1,001	9,282	64,412	0	0	155,216	12,609	0	0	33,561	0	0	351	0	279,904
Kenai	1,630	0	3,101	609,971	9,862	0	1,937,752	282,059	949	22,716	225,399	2,276	1,842	475	0	3,098,032
Kasilof	0	1,515	0	223,166	4,866	0	313,872	127,432	0	2,176	60,295	0	496	0	0	733,817
Crescent	0	0	0	18,632	127	0	32,955	10,943	0	264	34,655	0	127	0	0	97,701
Fish Creek	0	3,014	0	98,650	1,905	0	5,980	21,666	154	0	1,005	0	0	0	0	132,374
Other	200	0	5,730	50,968	0	0	327,488	22,148	0	2,628	50,425	311	124	0	0	460,022
Total	5,302	5,530	18,113	1,065,798	16,760	0	2,773,261	476,857	1,103	27,784	405,341	2,587	2,589	826	0	4,801,850

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, .

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna:																
comm. harvest	802	3	6,274	20,277	0	0	76,981	4,245	0	0	17,847	0	0	14	0	126,443
spawners	2,567	959	2,892	42,438	0	0	75,225	8,042	0	0	15,110	0	0	325	0	147,557
other	103	38	116	1,698	0	0	3,010	322	0	0	605	0	0	13	0	5,904
Total	3,472	1,001	9,282	64,412	0	0	155,216	12,609	0	0	33,561	0	0	351	0	279,904
Kenai:																
comm. harvest	681	0	2,626	336,783	1,080	0	1,244,813	156,146	0	14,409	153,008	1,327	418	0	0	1,911,290
spawners	621	(64)	311	175,375	3,434	0	451,547	61,579	557	5,436	43,970	621	932	311	0	744,630
other	328	64	164	97,813	5,348	0	241,391	64,335	392	2,871	28,422	328	492	164	0	442,112
Total	1,630	0	3,101	609,971	9,862	0	1,937,752	282,059	949	22,716	225,399	2,276	1,842	475	0	3,098,032
Kasilof :																
comm. harvest	0	719	0	123,216	533	0	201,632	70,545	0	1,380	40,930	0	112	0	0	439,068
spawners	0	584	0	73,291	3,177	0	82,304	41,714	0	584	14,200	0	281	0	0	216,134
other	0	212	0	26,658	1,156	0	29,937	15,173	0	212	5,165	0	102	0	0	78,615
Total	0	1,515	0	223,166	4,866	0	313,872	127,432	0	2,176	60,295	0	496	0	0	733,817
Crescent:																
comm. harvest	0	0	0	6,649	45	0	11,761	3,905	0	94	12,368	0	45	0	0	34,868
spawners	0	0	0	11,982	82	0	21,194	7,037	0	170	22,287	0	82	0	0	62,833
other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	18,632	127	0	32,955	10,943	0	264	34,655	0	127	0	0	97,701
Fish Creek:																
comm. harvest	0	10	0	31,069	14	0	2,967	7,298	0	0	535	0	0	0	0	41,892
spawners	0	2,866	0	64,478	1,804	0	2,875	13,709	147	0	449	0	0	0	0	86,327
other	0	149	0	3,349	94	0	149	712	8	0	23	0	0	0	0	4,484
Total	0	3,025	0	98,896	1,912	0	5,991	21,718	154	0	1,007	0	0	0	0	132,703
Other:																
comm. harvest	55	0	3,995	16,385	0	0	163,153	7,517	0	1,186	27,073	166	28	0	0	219,557
spawners	82	(3)	1,333	29,680	(4)	0	147,472	12,992	0	1,318	20,572	131	88	(0)	0	213,661
other	63	3	402	4,902	4	0	16,863	1,640	0	124	2,780	13	8	0	0	26,804
Total	200	0	5,730	50,968	0	0	327,488	22,148	0	2,628	50,425	311	124	0	0	460,022
UCI Total:																
comm. harvest	1,537	732	12,895	534,379	1,672	0	1,701,306	249,656	0	17,069	251,761	1,493	603	14	0	2,773,118
spawners	3,271	4,341	4,536	397,244	8,492	0	780,617	145,072	704	7,507	116,587	752	1,383	635	0	1,471,142
other	494	467	682	134,421	6,602	0	291,350	82,181	400	3,208	36,995	341	603	177	0	557,919
Grand Total	5,302	5,541	18,113	1,066,043	16,766	0	2,773,272	476,909	1,104	27,784	405,343	2,587	2,589	826	0	4,802,179

Data Out

2002	1	1	802	3	6274	20277	0	0	76981	4245	0	0	17847	0	0	14	0	126443
2002	1	2	2567	959	2892	42438	0	0	75225	8042	0	0	15110	0	0	325	0	147557
2002	1	3	103	38	116	1698	0	0	3010	322	0	0	605	0	0	13	0	5904
2002	2	1	681	0	2626	336783	1080	0	1244813	156146	0	14409	153008	1327	418	0	0	1911290
2002	2	2	621	-64	311	175375	3434	0	451547	61579	557	5436	43970	621	932	311	0	744630
2002	2	3	328	64	164	97813	5348	0	241391	64335	392	2871	28422	328	492	164	0	442112
2002	3	1	0	719	0	123216	533	0	201632	70545	0	1380	40930	0	112	0	0	439068
2002	3	2	0	584	0	73291	3177	0	82304	41714	0	584	14200	0	281	0	0	216134
2002	3	3	0	212	0	26658	1156	0	29937	15173	0	212	5165	0	102	0	0	78615
2002	4	1	0	0	0	6649	45	0	11761	3905	0	94	12368	0	45	0	0	34868
2002	4	2	0	0	0	11982	82	0	21194	7037	0	170	22287	0	82	0	0	62833
2002	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	8	1	0	10	0	31069	14	0	2967	7298	0	0	535	0	0	0	0	41892
2002	8	2	0	2866	0	64478	1804	0	2875	13709	147	0	449	0	0	0	0	86327
2002	8	3	0	149	0	3349	94	0	149	712	8	0	23	0	0	0	0	4484
2002	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	10	1	55	0	3995	16385	0	0	163153	7517	0	1186	27073	166	28	0	0	219557
2002	10	2	82	-3	1333	29680	-4	0	147472	12992	0	1318	20572	131	88	0	0	213661
2002	10	3	63	3	402	4902	4	0	16863	1640	0	124	2780	13	8	0	0	26804

Hidden Lake enhancement total return worksheet.

Return Year	Spawners Hidden	Hatchery Proportion	Hidden Enhanced	Exploitation Rate			Age Composition (#) (E)			Total Return			Sport Harvest & PU {O} & Commercial Catch (C)			
				Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	
2002	71,099	0.62	44,081	0.692	0.754	0.693	32,179	7,935	3,967	104,399	32,240	12,913	72,219	24,306	8,946	
Hidden age comp.							0.73	0.18					20.2%	14.8%	20.1%	
Cost Recovery #/otoliths			Egg Take #										14,578	3,595	1,797 [O]	
888			884										57,642	20,711	7,149 [C]	
Hidden harvests																
Other"	1,772	0.62	1,099				802	198		99 Enhanced (add to Hidden Enhanced 'other')						

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN

(Russian River and Upper Kenai River sport harvest not used.)

Kenai:	1.2 (42) 1.3 (52) 2.2 (53)
Exploitation Rate	0.692 0.754 0.693
Commercial Harvest	336,783 1,244,813 156,146
PU & Sub (includes Eastern)	41,949 106,404 19,334
mainstem sport below sonar	10,725 27,203 4,943
mainstem sport above sonar minus Kenai to Skilak harvest	32,047 81,286 14,770
other sport (Hidden, Skilak, Moose)	453 1,149 209
Total PU & Sport Harvests	85,174 216,042 39,257
Percent other harvest	20.2% 14.8% 20.1%
Russian River harvest	3,405 1,926 20,822
spawners - Cook Inlet to Skilak Lake	188,014 476,897 86,657
Total Return from Cook Inlet to Skilak	609,971 1,937,752 282,059

calculations for Kenai to Skilak Harvest

age composition - Kenai	0.2302	0.5839	0.1061
Kenai to Skilak Harvest	40,115	9,234	23,423 4,256

Data Out with Hidden Creek Enhanced added and Kenai River and "Other" sport harvest age classes removed.

2002	1	1	802	3	6274	20277	0	0	76981	4245	0	0	17847	0	0	14	0	126443
2002	1	2	2567	959	2892	42438	0	0	75225	8042	0	0	15110	0	0	325	0	147557
2002	1	3	103	38	116	1698	0	0	3010	322	0	0	605	0	0	13	0	5904
2002	2	1	681	0	2626	279141	1080	0	1224102	148997	0	14409	153008	1327	418	0	0	1825788
2002	2	2	621	0	311	143196	3434	0	443613	57611	557	5436	43970	621	932	311	0	700613
2002	2	3	328	0	164	82433	5348	0	237599	62439	392	2871	28422	328	492	164	0	420980
2002	3	1	0	719	0	123216	533	0	201632	70545	0	1380	40930	0	112	0	0	439068
2002	3	2	0	584	0	73291	3177	0	82304	41714	0	584	14200	0	281	0	0	216134
2002	3	3	0	212	0	26658	1156	0	29937	15173	0	212	5165	0	102	0	0	78615
2002	4	1	0	0	0	6649	45	0	11761	3905	0	94	12368	0	45	0	0	34868
2002	4	2	0	0	0	11982	82	0	21194	7037	0	170	22287	0	82	0	0	62833
2002	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	6	1	0	0	0	57642	0	0	20711	7149	0	0	0	0	0	0	0	85502
2002	6	2	0	0	0	32179	0	0	7935	3967	0	0	0	0	0	0	0	44081
2002	6	3	0	0	0	15380	0	0	3792	1896	0	0	0	0	0	0	0	21068
2002	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	8	1	0	10	0	31069	14	0	2967	7298	0	0	535	0	0	0	0	41892
2002	8	2	0	2866	0	64478	1804	0	2875	13709	147	0	449	0	0	0	0	86327
2002	8	3	0	149	0	3349	94	0	149	712	8	0	23	0	0	0	0	4484
2002	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	10	1	55	0	3995	16385	0	0	163153	7517	0	1186	27073	166	28	0	0	219557
2002	10	2	82	0	1333	29680	0	0	147472	12992	0	1318	20572	131	88	0	0	213669
2002	10	3	63	0	402	4902	0	0	16863	1640	0	124	2780	13	8	0	0	26796

Appendix A. Escapement and harvest estimates and age composition data used to estimate total return by river system.

Upper Cook Inlet Total Return Worksheet

2003

Escapement	Commercial Harvest	Subsistence/PU Harvest	Sport Harvest
Susitna 352,585	Drift 3/ 1,590,339	Tyonek 89	Susitna River 13,000
Sunshine 1/ 171,772	Salamatof/E. Forelands 554,296	General 0	eastside 7,000
Yentna 180,813	Kalifornsky 420,217	Kasilof dip net 34,778	westside 6,000
Kenai 1,181,309	Cohoe/Ninilchik 772,328	Kasilof gill net 13,637	Kenai River 301,500
Kasilof 359,633	Western 40,801	Western 0	mainstem below sonar 65,000
Crescent 122,457	Kustatan 4/ 5,455	Kenai dip net 183,899	mainstem above sonar 190,000
Fish Creek 91,798	Kalgin Island 5/ 40,818	Kenai gillnet 0	Russian River 45,000
Other 2/ 316,167	Chinitna Bay 6/ 0	Kenaitze 3,627	other Hidden 1,500
	General- Knik Arm 25,343	Kalgin 0	Kasilof River 7,200
	Eastern 23,144	Fish dip net 0	mainstem below sonar 5,400
	Knik Arm 0	Fish gill net 0	mainstem above sonar 1,800
		Kustatan 0	Crescent River 50
		Eastern 0	Fish Creek 200
		Knik 0	Packers Creek 0
		Other combined UCI 13,894	Cottonwood Creek 700
		Upper Yentna 553	Knik Arm 6,000
			Anchorage Area 500
			West Cook Inlet north 2,000
			south 2,500
			Other Kenai Peninsula 2,500
			Other Saltwater Anchorage 100
			Kenai Pen./West Cook Inlet 2,000
			Knik Arm 100
Total 2,423,950	Total 3,472,741	Total 250,477	Total above sonar/weir 265,550 below sonar/weir 72,800

Footnotes and sources of information:

Escapement:

1/ Sunshine estimate derived by using mean ratio of Sunshine on Yentna escapement 1981-85.

$$Y = 0.95 * X$$

where Y = Sunshine and

X = Yentna.

2/ Other represents 15% of total monitored escapement - drift age composition used.
assume an added 15% for unmonitored escapements for weighting escapement age composition.

Commercial Harvest	3,473,000
Spawners	2,146,000
Other Harvests	601,000
Total Return	6,220,000

Commercial Harvest:

3/ Drift represents all substatistical harvest areas with Drift gillnet except Chinitna Bay.

4/ Kustatan - age composition of General Subdistrict westside used.

5/ Kalgin Island - age composition of drift used.

6/ Chinitna - age composition of drift used.

Subsistence and Personal Use harvests:

Age composition of nearest river used.

Sport Harvest estimates:

estimate based on past three years harvests

References:

Escapement, Commercial Harvest & Egg Takes:

Westerman and Willette, 2003b

Dodson, 2003a

Dodson, 2003b

Tobias and Willette, 2004

Fox and Shields, 2004

Subsistence and Personal Use harvests:

K. Brogdon, personal communication

Summary worksheet for entering escapement age composition (proportions).

Summary worksheet for entering commercial harvest age composition (proportions).

Summary worksheet calculating total escapement by age class

River System	Escapement	Total															
		0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	352,585	1,728	423	8,674	56,907	1,728	0	224,103	21,261	0	1,305	36,457	0	0	0	352,585	
Sunshine	171,772	842	206	4,226	27,724	842	0	109,179	10,358	0	636	17,761	0	0	0	171,772	
Yentna	180,813	886	217	4,448	29,183	886	0	114,925	10,903	0	669	18,696	0	0	0	180,813	
Kenai	1,181,309	1,654	354	2,244	170,108	1,772	0	683,505	94,505	827	4,135	221,377	0	827	0	1,181,309	
Kasilof	359,633	0	2,338	0	134,179	791	0	93,756	105,193	0	0	23,376	0	0	0	359,633	
Crescent	122,457	0	453	110	17,573	343	0	62,588	16,446	0	0	24,834	0	110	0	122,457	
Fish Creek	91,798	0	266	0	27,163	404	0	45,367	12,843	0	266	5,490	0	0	0	91,798	
Other	316,167	569	0	2,529	19,697	32	158	212,306	14,069	0	1,012	65,510	0	221	63	0	316,167
Total	2,423,950	3,951	3,834	13,558	425,628	5,069	158	1,321,626	264,316	827	6,717	377,044	0	1,158	63	0	2,423,950

Summary worksheet calculating total commercial harvest by age composition.

Fishery	Harvest	Commercial															
		0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Drift	1,590,339	2,863	0	12,723	99,078	159	795	1,067,913	70,770	0	5,089	329,518	0	1,113	318	0	1,590,339
Salamatof	554,296	0	55	1,885	48,889	111	0	356,967	36,362	0	1,995	108,032	0	0	0	0	554,296
Kalifonsky	420,217	84	168	798	73,034	294	0	213,218	66,142	0	1,429	64,924	126	0	0	0	420,217
Cohoe/Ninilchik	772,328	0	77	2,085	139,482	1,236	0	392,343	120,638	0	2,858	113,378	77	77	77	0	772,328
Western	40,801	0	0	371	4,484	282	0	21,563	4,203	0	188	9,523	0	0	188	0	40,801
Kustatan	5,455	24	0	157	290	0	0	3,476	85	0	0	1,424	0	0	0	0	5,455
Kalgin Island	40,818	73	0	327	2,543	4	20	27,409	1,816	0	131	8,457	0	29	8	0	40,818
Chinitna Bay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General	25,343	112	0	727	1,346	0	0	16,149	393	0	0	6,617	0	0	0	0	25,343
Eastern	23,144	0	0	204	13,724	51	0	4,198	3,481	0	0	1,486	0	0	0	0	23,144
Knik Arm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3,472,741	3,156	301	19,276	382,870	2,136	816	2,103,235	303,889	0	11,689	643,359	203	1,219	591	0	3,472,741

Summary Worksheet for entering age compositon for Pu, subsistence, sport harvest, broodstock and cost recovery components.

		0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna River																	
PU Yentna		553	0.0049	0.0012	0.0246	0.1614	0.0049	0.0000	0.6356	0.0603	0.0000	0.0037	0.1034	0.0000	0.0000	0.0000	1.0000
PU (Tyonek, General, Kustatan)		89	0.0049	0.0012	0.0246	0.1614	0.0049	0.0000	0.6356	0.0603	0.0000	0.0037	0.1034	0.0000	0.0000	0.0000	1.0000
eastside sport		7,000	0.0049	0.0012	0.0246	0.1614	0.0049	0.0000	0.6356	0.0603	0.0000	0.0037	0.1034	0.0000	0.0000	0.0000	1.0000
westside sport		6,000	0.0049	0.0012	0.0246	0.1614	0.0049	0.0000	0.6356	0.0603	0.0000	0.0037	0.1034	0.0000	0.0000	0.0000	1.0000
Kenai River																	
PU & Sub (includes Eastern)		187,526	0.0014	0.0003	0.0019	0.1440	0.0015	0.0000	0.5786	0.0800	0.0007	0.0035	0.1874	0.0000	0.0007	0.0000	1.0000
mainstem below sonar		65,000	0.0014	0.0003	0.0019	0.1440	0.0015	0.0000	0.5786	0.0800	0.0007	0.0035	0.1874	0.0000	0.0007	0.0000	1.0000
mainstem above sonar		190,000	0.0014	0.0003	0.0019	0.1440	0.0015	0.0000	0.5786	0.0800	0.0007	0.0035	0.1874	0.0000	0.0007	0.0000	1.0000
Russian River		45,000	0.0000	0.0000	0.0000	0.0267	0.1128	0.0000	0.0979	0.5875	0.0148	0.0000	0.1424	0.0119	0.0030	0.0030	1.0000
other - Hidden, Skilak, etc.		1,500	0.0014	0.0003	0.0019	0.1440	0.0015	0.0000	0.5786	0.0800	0.0007	0.0035	0.1874	0.0000	0.0007	0.0000	1.0000
Kasilof River																	
PU & Subsistence		48,415	0.0000	0.0065	0.0000	0.3731	0.0022	0.0000	0.2607	0.2925	0.0000	0.0000	0.0650	0.0000	0.0000	0.0000	1.0000
mainstem below sonar		5,400	0.0000	0.0065	0.0000	0.3731	0.0022	0.0000	0.2607	0.2925	0.0000	0.0000	0.0650	0.0000	0.0000	0.0000	1.0000
mainstem above sonar		1,800	0.0000	0.0065	0.0000	0.3731	0.0022	0.0000	0.2607	0.2925	0.0000	0.0000	0.0650	0.0000	0.0000	0.0000	1.0000
broodstock																	
#	10,251		0	67	0	3,825	23	0	2,672	2,998	0	0	666	0	0	0	10,251
Crescent																	
Western Subdistrict PU		0	0.0000	0.0037	0.0009	0.1435	0.0028	0.0000	0.5111	0.1343	0.0000	0.0000	0.2028	0.0000	0.0009	0.0000	1.0000
Sport above sonar		50	0.0000	0.0037	0.0009	0.1435	0.0028	0.0000	0.5111	0.1343	0.0000	0.0000	0.2028	0.0000	0.0009	0.0000	1.0000
Fish Creek																	
sport (above weir/Big Lake)		0	0.0000	0.0029	0.0000	0.2959	0.0044	0.0000	0.4942	0.1399	0.0000	0.0029	0.0598	0.0000	0.0000	0.0000	1.0000
PU (includes Knik Arm PU)		0	0.0000	0.0029	0.0000	0.2959	0.0044	0.0000	0.4942	0.1399	0.0000	0.0029	0.0598	0.0000	0.0000	0.0000	1.0000
Sport (below weir/Otoliths)	501	701	0.0000	0.0029	0.0000	0.2959	0.0044	0.0000	0.4942	0.1399	0.0000	0.0029	0.0598	0.0000	0.0000	0.0000	1.0000
Broodstock		5,383	0.0000	0.0029	0.0000	0.2959	0.0044	0.0000	0.4942	0.1399	0.0000	0.0029	0.0598	0.0000	0.0000	0.0000	1.0000
Other - Pu & Sub. + (Kalgan)		13,894	0.0018	0.0000	0.0080	0.0623	0.0001	0.0005	0.6715	0.0445	0.0000	0.0032	0.2072	0.0000	0.0007	0.0002	1.0000
Other Systems - sport above																	
Packers Creek																	
broodstock	#	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
cost recovery	#	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
sport	#	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cottonwood Creek		700	0.0000	0.0213	0.0000	0.6562	0.0159	0.0000	0.176	0.1093	0.0000	0.0000	0.0213	0.0000	0.0000	0.0000	1.0000
Knik Arm - Other		6,000	0.0044	0.0000	0.0287	0.0531	0.0000	0.0000	0.6372	0.0155	0.0000	0.0000	0.2611	0.0000	0.0000	0.0000	1.0000
West Cook Inlet (North)		2,000	0.0044	0.0000	0.0287	0.0531	0.0000	0.0000	0.6372	0.0155	0.0000	0.0000	0.2611	0.0000	0.0000	0.0000	1.0000
West Cook Inlet (Sorth)		2,500	0.0018	0.0000	0.0080	0.0623	0.0001	0.0005	0.6715	0.0445	0.0000	0.0032	0.2072	0.0000	0.0007	0.0002	1.0000
Anchorage Area		500	0.0000	0.0000	0.0088	0.5930	0.0022	0.0000	0.1814	0.1504	0.0000	0.0642	0.0000	0.0000	0.0000	0.0000	1.0000
Other Kenai Peninsula		2,500	0.0018	0.0000	0.0080	0.0623	0.0001	0.0005	0.6715	0.0445	0.0000	0.0032	0.2072	0.0000	0.0007	0.0002	1.0000
Saltwater - sport below																	
Other-saltwater-Anch.		100	0.0000	0.0000	0.0088	0.5930	0.0022	0.0000	0.1814	0.1504	0.0000	0.0642	0.0000	0.0000	0.0000	0.0000	1.0000
Other-saltwater-KP/WCI		2,000	0.0018	0.0000	0.0080	0.0623	0.0001	0.0005	0.6715	0.0445	0.0000	0.0032	0.2072	0.0000	0.0007	0.0002	1.0000
Other-saltwater-Knik Arm		100	0.0044	0.0000	0.0287	0.0531	0.0000	0.0000	0.6372	0.0155	0.0000	0.0000	0.2611	0.0000	0.0000	0.0000	1.0000

Total Upper Cook Inlet personal use, subsistence, sport, cost recovery and broodstock harvests by age class and river system.

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna River-Total PU	3	1	16	104	3	0	408	39	0	2	66	0	0	0	0	642
PU (Tyonek,General,Kustatan)	0	0	2	14	0	0	57	5	0	0	9	0	0	0	0	89
Yentna PU	3	1	14	89	3	0	351	33	0	2	57	0	0	0	0	553
eastside sport	34	8	172	1,130	34	0	4,449	422	0	26	724	0	0	0	0	7,000
westside sport	29	7	148	968	29	0	3,814	362	0	22	620	0	0	0	0	6,000
Total Sport	64	16	320	2,098	64	0	8,263	784	0	48	1,344	0	0	0	0	13,000
Kenai River -Total	622	133	844	65,141	5,742	0	261,319	61,960	977	1,554	89,618	536	446	135	0	489,026
PU & Sub (includes Eastern)	263	56	356	27,004	281	0	108,503	15,002	131	656	35,142	0	131	0	0	187,526
mainstem sport below sonar	91	20	124	9,360	98	0	37,609	5,200	46	228	12,181	0	46	0	0	65,000
mainstem sport above sonar	266	57	361	27,360	285	0	109,934	15,200	133	665	35,606	0	133	0	0	190,000
Russian River	0	0	0	1,202	5,076	0	4,406	26,438	666	0	6,408	536	135	135	0	45,000
other - Hidden, Skilak, etc.	2	0	3	216	2	0	868	120	1	5	281	0	1	0	0	1,500
Total Sport-above sonar	268	57	364	28,778	5,363	0	115,207	41,758	800	670	42,295	536	269	135	0	236,500
Kasilof River -Total	0	428	0	24,575	145	0	17,171	19,266	0	0	4,281	0	0	0	0	65,866
PU & Sub	0	315	0	18,064	107	0	12,622	14,161	0	0	3,147	0	0	0	0	48,415
mainstem sport below sonar	0	35	0	2,015	12	0	1,408	1,580	0	0	351	0	0	0	0	5,400
mainstem sport above sonar	0	12	0	672	4	0	469	527	0	0	117	0	0	0	0	1,800
broodstock (egg take)	0	67	0	3,825	23	0	2,672	2,998	0	0	666	0	0	0	0	10,251
Crescent River - Total	0	0	0	7	0	0	26	7	0	0	10	0	0	0	0	50
Western Subdistrict PU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sport above sonar	0	0	0	7	0	0	26	7	0	0	10	0	0	0	0	50
Fish Creek - Total	0	18	0	1,800	27	0	3,007	851	0	18	364	0	0	0	0	6,084
sport (above weir)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PU (includes Knik Arm PU)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sport (below weir/otoliths)	0	2	0	207	3	0	346	98	0	2	42	0	0	0	0	701
broodstock	0	16	0	1,593	24	0	2,660	753	0	16	322	0	0	0	0	5,383
Other - Pu & Sub. + (Kalgan)	25	0	111	866	1	7	9,330	618	0	44	2,879	0	10	3	0	13,894
Other Systems - sport above																
Packers Creek - sport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cottonwood Creek-sport	0	15	0	459	11	0	123	77	0	0	15	0	0	0	0	700
Knik Arm - Other-sport	26	0	172	319	0	0	3,823	93	0	0	1,567	0	0	0	0	6,000
Anchorage Area-sport	0	0	4	297	1	0	91	75	0	0	32	0	0	0	0	500
West Cook Inlet-sport																
north	9	0	57	106	0	0	1,274	31	0	0	522	0	0	0	0	2,000
south	5	0	20	156	0	1	1,679	111	0	8	518	0	2	1	0	2,500
Other-Kenai Pen.-sport	5	0	20	156	0	1	1,679	111	0	8	518	0	2	1	0	2,500
Saltwater - sport below																
Other-saltwater-Anch.	0	0	1	59	0	0	18	15	0	0	6	0	0	0	0	100
Other-saltwater-KP/WCI	4	0	16	125	0	1	1,343	89	0	6	414	0	1	0	0	2,000
Other-saltwater-Knik Arm	0	0	3	5	0	0	64	2	0	0	26	0	0	0	0	100
Total Other System	73	15	405	2,547	15	10	19,424	1,222	0	67	6,498	0	15	4	0	30,294
PU & Sub	25	0	111	866	1	7	9,330	618	0	44	2,879	0	10	3	0	13,894
sport above	44	15	274	1,492	13	3	8,669	498	0	16	3,172	0	4	1	0	14,200
sport - saltwater below	4	0	20	189	0	1	1,425	106	0	6	447	0	1	0	0	2,200
cost recovery - egg take	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Summary Worksheet for adjusted percent of age classes for all systems

Sum of escapement+subsistence+personal use+sport below sonar = weighted escapement past commercial fishery

to estimate adjusted proportion by age class

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	0	1.3(52)	2.2(53)	3.1(54)	0	1.4(62)	2.3(63)	3.2(64)	0	2.4(73)	0	3.3(74)	0	3.4(84)	0	Total
Susitna	1,731	424	8,689	57,011	1,731	0	224,511	21,300	0	1,307	36,524	0	0	0	0	0	0	0	0	0	353,227	
Sunshine																						
Yentna																						
Other																						
Kenai	2,007	430	2,724	206,472	2,151	0	829,617	114,707	1,004	5,018	268,701	0	1,004	0	0	0	0	0	0	0	1,433,835	
Kasilof	0	2,687	0	154,257	910	0	107,786	120,934	0	0	26,874	0	0	0	0	0	0	0	0	0	413,448	
Crescent	0	453	110	17,580	343	0	62,613	16,453	0	0	24,844	0	110	0	0	0	0	0	0	0	122,507	
Fish Creek	0	268	0	27,370	407	0	45,713	12,941	0	268	5,531	0	0	0	0	0	0	0	0	0	92,499	
Other	625	0	2,835	21,076	33	166	226,948	14,888	0	1,063	70,428	0	232	66	0	0	0	0	0	0	338,361	
Total	4,363	4,263	14,359	483,767	5,575	166	1,497,188	301,221	1,004	7,656	432,903	0	1,346	66	0	2,753,878						

Adjusted percent of age classes for all systems included.

River System	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)
Susitna	39.669	9.943	60.514	11.785	31.048	0.000	14.996	7.071	0.000	17.070	8.437	0.000	0.000	0.000	0.000
Sunshine															
Yentna															
Other															
Kenai	46.007	10.090	18.972	42.680	38.581	0.000	55.412	38.081	100.000	65.547	62.070	0.000	74.547	0.000	0.000
Kasilof	0.000	63.041	0.000	31.887	16.317	0.000	7.199	40.148	0.000	0.000	6.208	0.000	0.000	0.000	0.000
Crescent	0.000	10.633	0.768	3.634	6.153	0.000	4.182	5.462	0.000	0.000	5.739	0.000	8.189	0.000	0.000
Fish Creek	0.000	6.293	0.000	5.658	7.301	0.000	3.053	4.296	0.000	3.504	1.278	0.000	0.000	0.000	0.000
Other	14.324	0.000	19.746	4.357	0.600	100.000	15.158	4.943	0.000	13.879	16.269	0.000	17.264	100.000	0.000
	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	0.000

Adjusted percent of age classes for Susitna, Kenai, Kasilof, Fish Creek, and Other.

River System	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)
Susitna	39.669	11.126	60.983	12.229	33.084	0.000	15.650	7.480	0.000	17.070	8.951	0.000	0.000	0.000	0.000
Sunshine															
Yentna															
Other															
Kenai	46.007	11.291	19.119	44.290	41.111	0.000	57.830	40.281	100.000	65.547	65.849	0.000	81.196	0.000	0.000
Kasilof	0.000	70.542	0.000	33.089	17.386	0.000	7.513	42.467	0.000	0.000	6.586	0.000	0.000	0.000	0.000
Crescent															
Fish Creek	0.000	7.041	0.000	5.871	7.780	0.000	3.187	4.544	0.000	3.504	1.356	0.000	0.000	0.000	0.000
Other	14.324	0.000	19.898	4.521	0.639	100.000	15.820	5.228	0.000	13.879	17.259	0.000	18.804	100.000	0.000
	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	0.000

Adjusted percent of age classes for Kenai and Kasilof.

River System	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)
Susitna															
Sunshine															
Yentna															
Other															
Kenai	100.000	13.798	100.000	57.237	70.278	0.000	88.502	48.679	100.000	100.000	90.908	0.000	100.000	0.000	0.000
Kasilof	0.000	86.202	0.000	42.763	29.722	0.000	11.498	51.321	0.000	0.000	9.092	0.000	0.000	0.000	0.000
Crescent															
Fish Creek															
Other															
	100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	100.000	100.000	100.000	0.000	100.000	0.000	0.000

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Adjusted percent of age classes for Susitna, Fish Creek, and Other.

River System	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)
Susitna	73.470	61.243	75.398	54.061	79.716	0.000	45.158	43.355	0.000	49.547	32.470	0.000	0.000	0.000	0.000
Sunshine															
Yentna															
Kenai															
Kasilof															
Crescent															
Fish Creek	0.000	38.757	0.000	25.954	18.745	0.000	9.195	26.341	0.000	10.169	4.918	0.000	0.000	0.000	0.000
Other	26.530	0.000	24.602	19.985	1.539	100.000	45.648	30.304	0.000	40.284	62.612	0.000	100.000	100.000	0.000
	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	0.000	100.000	100.000	0.000

Allocation of Commercial Harvest

Drift	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	1,136	0	7,759	12,116	53	0	167,129	5,293	0	869	29,494	0	0	0	0	223,848
Kenai	1,317	0	2,432	43,881	65	0	617,575	28,507	0	3,336	216,983	0	904	0	0	915,001
Kasilof	0	0	0	32,784	28	0	80,237	30,054	0	0	21,702	0	0	0	0	164,804
Fish Creek	0	0	0	5,817	12	0	34,029	3,216	0	178	4,467	0	0	0	0	47,720
Other	410	0	2,532	4,479	1	795	168,942	3,700	0	706	56,873	0	209	318	0	238,966
Total	2,863	0	12,723	99,078	159	795	1,067,913	70,770	0	5,089	329,518	0	1,113	318	0	1,590,339
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salamatof	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Kenai	0	8	1,885	27,983	78	0	315,921	17,700	0	1,995	98,210	0	0	0	0	463,780
Kasilof	0	48	0	20,906	33	0	41,045	18,661	0	0	9,822	0	0	0	0	90,516
Total	0	55	1,885	48,889	111	0	356,967	36,362	0	1,995	108,032	0	0	0	0	554,296
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kalifornsky	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Kenai	84	23	798	41,803	207	0	188,702	32,197	0	1,429	59,021	0	0	0	0	324,263
Kasilof	0	145	0	31,231	87	0	24,517	33,945	0	0	5,903	0	0	0	0	95,828
Total	84	168	798	73,034	294	0	213,218	66,142	0	1,429	64,924	0	0	0	0	420,091
remainder	0	0	0	0	0	0	0	0	0	0	0	126	0	0	0	126
Cohoe/Ninilchik	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Kenai	0	11	2,085	79,836	868	0	347,230	58,725	0	2,858	103,069	0	77	0	0	594,759
Kasilof	0	67	0	59,646	367	0	45,113	61,913	0	0	10,308	0	0	0	0	177,414
Total	0	77	2,085	139,482	1,236	0	392,343	120,638	0	2,858	113,378	0	77	0	0	772,174
remainder	0	0	0	0	0	0	0	0	0	0	0	77	0	77	0	154
Western	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Crescent	0	0	371	4,484	282	0	21,563	4,203	0	188	9,523	0	0	188	0	40,801
Total	0	0	371	4,484	282	0	21,563	4,203	0	188	9,523	0	0	188	0	40,801
Kustatan	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	18	0	118	157	0	0	1,570	37	0	0	462	0	0	0	0	2,361
Fish Creek	0	0	0	75	0	0	320	22	0	0	70	0	0	0	0	487
Other	6	0	39	58	0	0	1,587	26	0	0	892	0	0	0	0	2,607
Total	24	0	157	290	0	0	3,476	85	0	0	1,424	0	0	0	0	5,455
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Allocation of Commercial Harvest

Kalgin Island	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	29	0	199	311	1	0	4,290	136	0	22	757	0	0	0	0	5,745
Kenai	34	0	62	1,126	2	0	15,851	732	0	86	5,569	0	23	0	0	23,485
Kasilof	0	0	0	841	1	0	2,059	771	0	0	557	0	0	0	0	4,230
Fish Creek	0	0	0	149	0	0	873	83	0	5	115	0	0	0	0	1,225
Other	11	0	65	115	0	20	4,336	95	0	18	1,460	0	5	8	0	6,133
Total	73	0	327	2,543	4	20	27,409	1,816	0	131	8,457	0	29	8	0	40,818
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chinitna Bay	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kasilof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
General - Knik Arm	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	82	0	548	728	0	0	7,292	170	0	0	2,149	0	0	0	0	10,969
Fish Creek	0	0	0	349	0	0	1,485	103	0	0	325	0	0	0	0	2,263
Other	30	0	179	269	0	0	7,371	119	0	0	4,143	0	0	0	0	12,111
Total	112	0	727	1,346	0	0	16,149	393	0	0	6,617	0	0	0	0	25,343
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eastern	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	154	7,419	41	0	1,896	1,509	0	0	482	0	0	0	0	11,501
Fish Creek	0	0	0	3,562	10	0	386	917	0	0	73	0	0	0	0	4,948
Other	0	0	50	2,743	1	0	1,916	1,055	0	0	930	0	0	0	0	6,695
Total	0	0	204	13,724	51	0	4,198	3,481	0	0	1,486	0	0	0	0	23,144
remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Knik Arm	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total UCI																
Comm. Harvest	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	1,264	0	8,778	20,731	95	0	182,176	7,145	0	891	33,344	0	0	0	0	254,424
Kenai	1,435	41	7,263	194,629	1,220	0	1,485,279	137,861	0	9,703	482,852	0	1,004	0	0	2,321,288
Kasilof	0	259	0	145,409	516	0	192,971	145,345	0	0	48,292	0	0	0	0	532,793
Crescent	0	0	371	4,484	282	0	21,563	4,203	0	188	9,523	0	0	188	0	40,801
Fish Creek	0	0	0	9,953	22	0	37,093	4,341	0	183	5,050	0	0	0	0	56,642
Other	457	0	2,864	7,664	2	816	184,153	4,994	0	724	64,298	0	215	326	0	266,513
Total	3,156	301	19,276	382,870	2,136	816	2,103,235	303,889	0	11,689	643,359	0	1,219	514	0	3,472,460
remainders	0	0	0	0	0	0	0	0	0	0	0	203	0	77	0	281
																3,472,741

Allocation of Commercial Harvest**remainders**

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	0
Kenai																0
Kasilof																0
Fish Creek																0
Other																0
Total																0
Remainer																0

Salamatof	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kasilof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Remainder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Kalifornsky	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kasilof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crescent																
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Remainder	0	0	0	0	0	0	0	0	0	0	0	126	0	0	0	126

Cohoe/Ninilchik	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kasilof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	77	0	77
Total	0	0	0	0	0	0	0	0	0	0	0	0	77	0	0	77
Remainder	0	0	0	0	0	0	0	0	0	0	0	77	0	0	0	77

Upper Cook Inlet commercial harvest, escapement and total return by age class.**Total Upper Cook Inlet commercial harvest by age class and river system.**

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	1,264	0	8,778	20,731	95	0	182,176	7,145	0	891	33,344	0	0	0	0	254,424
Kenai	1,435	41	7,263	194,629	1,220	0	1,485,279	137,861	0	9,703	482,852	0	1,004	0	0	2,321,288
Kasilof	0	259	0	145,409	516	0	192,971	145,345	0	0	48,292	0	0	0	0	532,793
Crescent	0	0	371	4,484	282	0	21,563	4,203	0	188	9,523	0	0	188	0	40,801
Fish Creek	0	0	0	9,953	22	0	37,093	4,341	0	183	5,050	0	0	0	0	56,642
Other	457	0	2,864	7,664	2	816	184,153	4,994	0	724	64,298	0	215	403	0	266,590
Total	3,156	301	19,276	382,870	2,136	816	2,103,235	303,889	0	11,689	643,359	0	1,219	591	0	3,472,538

Total Upper Cook Inlet escapement by age class.

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	1,728	423	8,674	56,907	1,728	0	224,103	21,261	0	1,305	36,457	0	0	0	0	352,585
Kenai	1,654	354	2,244	170,108	1,772	0	683,505	94,505	827	4,135	221,377	0	827	0	0	1,181,309
Kasilof	0	2,338	0	134,179	791	0	93,756	105,193	0	0	23,376	0	0	0	0	359,633
Crescent	0	453	110	17,573	343	0	62,588	16,446	0	0	24,834	0	110	0	0	122,457
Fish Creek	0	266	0	27,163	404	0	45,367	12,843	0	266	5,490	0	0	0	0	91,798
Other	569	0	2,529	19,697	32	158	212,306	14,069	0	1,012	65,510	0	221	63	0	316,167
Total	3,951	3,834	13,558	425,628	5,069	158	1,321,626	264,316	827	6,717	377,044	0	1,158	63	0	2,423,950

Upper Cook Inlet total return including personal use, subsistence and sport caught fish below the sonar sites or weir by age class and river system.

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna	2,992	423	17,454	77,653	1,823	0	406,336	28,412	0	2,196	69,811	0	0	0	0	607,099
Kenai	3,442	472	9,987	401,101	3,371	0	2,314,896	252,568	1,004	14,722	751,553	0	2,008	0	0	3,755,123
Kasilof	0	2,947	0	299,667	1,426	0	300,757	266,278	0	0	75,167	0	0	0	0	946,241
Crescent	0	453	482	22,057	624	0	84,151	20,648	0	188	34,357	0	110	188	0	163,258
Fish Creek	0	266	0	37,116	426	0	82,460	17,184	0	449	10,539	0	0	0	0	148,440
Other	1,055	0	5,524	28,416	35	982	407,214	19,788	0	1,787	133,133	0	447	470	0	598,851
Total	7,489	4,561	33,447	866,009	7,705	982	3,595,813	604,877	1,004	19,341	1,074,560	0	2,565	658	0	6,219,011

Summary of commercial and personal use harvest and escapement by river system, Upper Cook Inlet, Alaska, .

	0.2(31)	1.1(32)	0.3(41)	1.2(42)	2.1(43)	0.4(51)	1.3(52)	2.2(53)	3.1(54)	1.4(62)	2.3(63)	3.2(64)	2.4(73)	3.3(74)	3.4(84)	Total
Susitna:																
comm. harvest	1,264	0	8,778	20,731	95	0	182,176	7,145	0	891	33,344	0	0	0	0	254,424
spawners	1,661	407	8,340	54,720	1,661	0	215,489	20,444	0	1,254	35,056	0	0	0	0	339,032
other	67	16	336	2,202	67	0	8,671	823	0	50	1,411	0	0	0	0	13,642
Total	2,992	423	17,454	77,653	1,823	0	406,336	28,412	0	2,196	69,811	0	0	0	0	607,099
Kenai:																
comm. harvest	1,435	41	7,263	194,629	1,220	0	1,485,279	137,861	0	9,703	482,852	0	1,004	0	0	2,321,288
spawners	1,386	297	1,881	141,331	(3,591)	0	568,298	52,747	27	3,464	179,082	(536)	558	(135)	0	944,809
other	622	133	844	65,141	5,742	0	261,319	61,960	977	1,554	89,618	536	446	135	0	489,026
Total	3,442	472	9,987	401,101	3,371	0	2,314,896	252,568	1,004	14,722	751,553	0	2,008	0	0	3,755,123
Kasilof :																
comm. harvest	0	259	0	145,409	516	0	192,971	145,345	0	0	48,292	0	0	0	0	532,793
spawners	0	2,259	0	129,683	765	0	90,615	101,668	0	0	22,593	0	0	0	0	347,582
other	0	428	0	24,575	145	0	17,171	19,266	0	0	4,281	0	0	0	0	65,866
Total	0	2,947	0	299,667	1,426	0	300,757	266,278	0	0	75,167	0	0	0	0	946,241
Crescent:																
comm. harvest	0	0	371	4,484	282	0	21,563	4,203	0	188	9,523	0	0	188	0	40,801
spawners	0	453	110	17,565	343	0	62,562	16,439	0	0	24,824	0	110	0	0	122,407
other	0	0	0	7	0	0	26	7	0	0	10	0	0	0	0	50
Total	0	453	482	22,057	624	0	84,151	20,648	0	188	34,357	0	110	188	0	163,258
Fish Creek:																
comm. harvest	0	0	0	9,953	22	0	37,093	4,341	0	183	5,050	0	0	0	0	56,642
spawners	0	251	0	25,570	380	0	42,706	12,089	0	251	5,168	0	0	0	0	86,415
other	0	18	0	1,800	27	0	3,007	851	0	18	364	0	0	0	0	6,084
Total	0	268	0	37,323	429	0	82,806	17,282	0	451	10,581	0	0	0	0	149,141
Other:																
comm. harvest	457	0	2,864	7,664	2	816	184,153	4,994	0	724	64,298	0	215	403	0	266,590
spawners	525	(15)	2,255	18,205	19	156	203,637	13,571	0	996	62,338	0	218	62	0	301,967
other	73	15	405	2,547	15	10	19,424	1,222	0	67	6,498	0	15	4	0	30,294
Total	1,055	0	5,524	28,416	35	982	407,214	19,788	0	1,787	133,133	0	447	470	0	598,851
UCI Total:																
comm. harvest	3,156	301	19,276	382,870	2,136	816	2,103,235	303,889	0	11,689	643,359	0	1,219	591	0	3,472,538
spawners	3,572	3,652	12,586	387,074	(423)	156	1,183,307	216,959	27	5,965	329,061	(536)	886	(73)	0	2,142,213
other	762	610	1,584	96,272	5,995	10	309,617	84,128	977	1,689	102,182	536	460	139	0	604,962
Grand Total	7,489	4,563	33,447	866,216	7,708	982	3,596,160	604,975	1,004	19,343	1,074,602	0	2,565	658	0	6,219,712

Data Out

2003	1	1	1264	0	8778	20731	95	0	182176	7145	0	891	33344	0	0	0	0	254424
2003	1	2	1661	407	8340	54720	1661	0	215489	20444	0	1254	35056	0	0	0	0	339032
2003	1	3	67	16	336	2202	67	0	8671	823	0	50	1411	0	0	0	0	13642
2003	2	1	1435	41	7263	194629	1220	0	1485279	137861	0	9703	482852	0	1004	0	0	2321288
2003	2	2	1386	297	1881	141331	-3591	0	568298	52747	27	3464	179082	-536	558	-135	0	944809
2003	2	3	622	133	844	65141	5742	0	261319	61960	977	1554	89618	536	446	135	0	489026
2003	3	1	0	259	0	145409	516	0	192971	145345	0	0	48292	0	0	0	0	532793
2003	3	2	0	2259	0	129683	765	0	90615	101668	0	0	22593	0	0	0	0	347582
2003	3	3	0	428	0	24575	145	0	17171	19266	0	0	4281	0	0	0	0	65866
2003	4	1	0	0	371	4484	282	0	21563	4203	0	188	9523	0	0	188	0	40801
2003	4	2	0	453	110	17565	343	0	62562	16439	0	0	24824	0	110	0	0	122407
2003	4	3	0	0	0	7	0	0	26	7	0	0	10	0	0	0	0	50
2003	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	8	1	0	0	0	9953	22	0	37093	4341	0	183	5050	0	0	0	0	56642
2003	8	2	0	251	0	25570	380	0	42706	12089	0	251	5168	0	0	0	0	86415
2003	8	3	0	18	0	1800	27	0	3007	851	0	18	364	0	0	0	0	6084
2003	9	1	0	0	0	0	0	0	0	0	0	0	0	203	0	0	0	203
2003	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	10	1	457	0	2864	7664	2	816	184153	4994	0	724	64298	0	215	403	0	266590
2003	10	2	525	-15	2255	18205	19	156	203637	13571	0	996	62338	0	218	62	0	301967
2003	10	3	73	15	405	2547	15	10	19424	1222	0	67	6498	0	15	4	0	30294

Hidden Lake enhancement total return worksheet.

Return Year	Spawners Hidden	Hatchery Proportion	Hidden Enhanced	Exploitation Rate			Age Composition (#) (E)			Total Return			Sport Harvest & PU {O} & Commercial Catch (C)			
				Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	Age1.2	Age1.3	Age2.2	
2003	10,992	0.579		6,364	0.681	0.783	0.721	4,455	1,527	382	13,956	7,045	1,369	9,501	5,518	987
Hidden age comp.							0.7	0.24					22.8%	13.5%	18.8%	
Cost Recovery #/otoliths			Egg Take #										2,170	744	186 [O]	
349			742										7,331	4,774	801 [C]	
Hidden harvests																
Other"	1,091	0.579		632				442	152		38 Enhanced (add to Hidden Enhanced 'other')					

KENAI EXPLOITATION RATE TO DETERMINE HIDDEN CREEK ENHANCEMENT TOTAL RETURN

(Russian River and Upper Kenai River sport harvest not used.)

Kenai:	1.2(42) 1.3(52) 2.2(53)
Exploitation Rate	0.681 0.783 0.721
Commercial Harvest	194,629 1,485,279 137,861
PU & Sub (includes Eastern)	27,004 108,503 15,002
mainstem sport below sonar	9,360 37,609 5,200
mainstem sport above sonar minus Kenai to Skilak harvest	21,024 84,476 11,680
other sport (Hidden, Skilak, Moose)	216 868 120
Total PU & Sport Harvests	57,604 231,455 32,002
Percent other harvest	22.8% 13.5% 18.8%
Russian River harvest	1,202 4,406 26,438
spawners - Cook Inlet to Skilak Lake	148,868 598,162 82,705
Total Return from Cook Inlet to Skilak	370,501 2,191,943 235,568

calculations for Kenai to Skilak Harvest

age composition - Kenai	0.1440	0.5786	0.0800
Kenai to Skilak Harvest	44,000	6,336	25,458

estimate based on average of last five years' percent of total harvest

Data Out with Hidden Creek Enhanced added and Kenai River and "Other" sport harvest age classes removed.

2003	1	1	1264	0	8778	20731	95	0	182176	7145	0	891	33344	0	0	0	0	254424
2003	1	2	1661	407	8340	54720	1661	0	215489	20444	0	1254	35056	0	0	0	0	339032
2003	1	3	67	16	336	2202	67	0	8671	823	0	50	1411	0	0	0	0	13642
2003	2	1	1435	41	7263	187297	1220	0	1480505	137060	0	9703	482852	0	1004	0	0	2308381
2003	2	2	1386	297	1881	136876	0	0	566771	52365	27	3464	179082	0	558	0	0	942706
2003	2	3	622	133	844	62529	2151	0	260423	61736	977	1554	89618	0	446	0	0	481033
2003	3	1	0	259	0	145409	516	0	192971	145345	0	0	48292	0	0	0	0	532793
2003	3	2	0	2259	0	129683	765	0	90615	101668	0	0	22593	0	0	0	0	347582
2003	3	3	0	428	0	24575	145	0	17171	19266	0	0	4281	0	0	0	0	65866
2003	4	1	0	0	371	4484	282	0	21563	4203	0	188	9523	0	0	188	0	40801
2003	4	2	0	453	110	17565	343	0	62562	16439	0	0	24824	0	110	0	0	122407
2003	4	3	0	0	0	0	7	0	0	26	7	0	0	10	0	0	0	50
2003	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	6	1	0	0	0	7331	0	0	4774	801	0	0	0	0	0	0	0	12907
2003	6	2	0	0	0	4455	0	0	1527	382	0	0	0	0	0	0	0	6364
2003	6	3	0	0	0	2612	0	0	896	224	0	0	0	0	0	0	0	3732
2003	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	8	1	0	0	0	9953	22	0	37093	4341	0	183	5050	0	0	0	0	56642
2003	8	2	0	251	0	25570	380	0	42706	12089	0	251	5168	0	0	0	0	86415
2003	8	3	0	18	0	1800	27	0	3007	851	0	18	364	0	0	0	0	6084
2003	9	1	0	0	0	0	0	0	0	0	0	0	0	203	0	0	0	203
2003	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	10	1	457	0	2864	7664	2	816	184153	4994	0	724	64298	0	215	403	0	266590
2003	10	2	525	0	2255	18205	19	156	203637	13571	0	996	62338	0	218	62	0	301982
2003	10	3	73	0	405	2547	15	10	19424	1222	0	67	6498	0	15	4	0	30279

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